



**Absolute Accuracy Inc**

***Surveying-Measuring Equipment and Supplies***

***www.absolac.com (323) 662-9237 or (800) 821-9656***



# Absolute Accuracy - GPS RECEIVERS

www.absolac.com (323) 662-9237 or (800) 821-9656

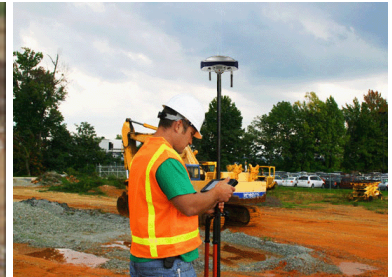


## Grade Supervisor

Increase productivity, improve accuracy and tighten bid specs

- Get daily, weekly or anytime volumes
- Create PDF graphic volumetric report for invoicing
- Track real-time Cut/Fill
- Know your Grade instantly
- Collect/Stake Points
- Set up Base Station (\*certain receiver models)
- Get direct import of DWG files, DXF files, Machine Control Files (tn3, gc3, ln3)
- Provides bid verification: Don't guess, you'll know accurate starting surface volumes.
- Interface consistently with machine control software
- Supports most all GPS/GNSS receivers
- Connected job site options
- Windows XP/Vista Compatible
- Suggested Hardware: Samsung Q1 UMPC, Panasonic Toughbook, any XP/Vista laptop

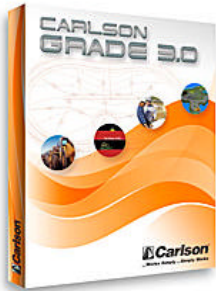
7100.200.001 Grade Supervisor	\$2495.00
7100.200.002 Heartbeat for Grade Supervisor	\$495.00



### Here's Carlson's all new Grade Supervisor v1.0 – an effective tool for construction grade management

Designed specifically for site supervisors, inspectors and grade checkers, Carlson Grade Supervisor v1.0 offers affordable and easy-to-use software for day-to-day surface and grade management tasks. Grade Supervisor works either on the pole or in a vehicle, moving seamlessly from man rover (GPS pole) to monitor rover (pickup/ATV).

Both simple to learn and to use, Carlson Grade Supervisor v1.0 provides direct import of DWG files, DXF files, and machine control files, including tn3, gc3, and ln3. Supervisors can get daily, weekly, or anytime volumes, track real-time cut/fill, plus both collect and stake points. The software supports most all GPS/GNSS receivers and is Windows XP/Vista compatible.



## Grade 3.0

One Powerful Software Package For All Applications

Carlson Grade is Carlson Software's latest unique machine guidance product. The software

is cross-platform for use on Windows and Linux operating systems. Carlson Grade is available for

- dozers
- loaders
- excavators
- foreman trucks
- scrapers
- bucketwheels
- compactors
- graders
- barges
- shovels
- TruckPro
- drills

Call for Pricing and Configurations



## RTK Bridge

Intuicom's RTK Bridge™ is a field hardened network device that enables the broadcast of GPS Network corrections to be transmitted across radio systems.

The RTK Bridge replaces the GPS base station and extends Networked GPS corrections to projects and areas where these corrections may not otherwise be available or easily accessible. The RTK Bridge interfaces to the Internet via Ethernet or embedded cell modem and can automatically log on to GPS Network servers including Leica Spider and Trimble VRS. The RTK Bridge establishes connectivity, authenticates, and then pulls the appropriate RTK corrections for its location. These corrections are then broadcast over radio to the roving GPS receivers that utilize the correction messages for accurate positioning.

### Features and Benefits

- On-the-fly road and ramp design
- Supports any RTK GPS using a ruggedized touch screen computer
- Useful for grade check in a supervisors vehicle
- Multiple views in profile, section and plan
- Uses AutoCAD drawings and Carlson Civil 2007 surfaces, no conversion necessary
- Real-time monitoring back at the office with Telescope or SiteNet
- Creates logging file for real-time or future analysis with ProTools
- Optional tilt sensors provide more accurate position and elevation
- Optional light-bars give the operator more indication of cut or fill
- Easy to use, cross-platform software (Windows, Linux, WinCE)
- Multi-purpose: one system for all equipment and applications (dozer, grader, excavator, drill, etc.)
- Works with all major manufacturers of GPS and robotic total stations
- Fast, improved graphical response
- On-Board Mission Planning Satellite Forecast and Almanac
- Multiple Design Layers
- Specialized Features for Construction, Mining and Landfill Applications

FIP1-900RTK-VKT	Intuicom RTK Bridge with Internal CDMA Modem in Waterproof Enclosure. Verizon Modem, L1 GPS, 902-928 MHz transceiver, TNC antenna connectors, two serial interfaces (lemo). Power and data cables (AC and DC) included with GPS Antenna, Modem Antenna, Radio Antenna	\$3,795.00
FIP1-900RTK-A2KT	Intuicom RTK Bridge with Internal GSM Modem in Waterproof Enclosure. AT&T Modem, L1 GPS, 902-928 MHz transceiver, TNC antenna connectors, two serial interfaces (lemo). Power and data cables (AC and DC) included with GPS Antenna, Modem Antenna, Radio Antenna	\$3,795.00
RTK Bridge Transceiver-Ethernet Kit	Intuicom Bridge & Transceiver for Network RTK Corrections, 902-928 MHz, Embedded GPS, Ethernet interface plus dual serial ports, N-type RF connector, TNC GPS connector. Kit includes 900 MHz antenna.	\$2,795.00
FIP1-101RTK-VKT	Intuicom RTK Bridge with Internal CDMA Modem in Waterproof Enclosure. Verizon Modem, L1 GPS, TNC antenna connectors, two serial interfaces (lemo). Power and data cables (AC and DC) included with GPS Antenna, Modem Antenna.	\$2,995.00
FIP1-101RTK-AKT	Intuicom RTK Bridge with Internal GSM Modem in Waterproof Enclosure. AT&T Modem, L1 GPS, TNC antenna connectors, two serial interfaces (lemo). Power and data cables (AC and DC) included with GPS Antenna, Modem Antenna.	\$2,995.00



# Absolute Accuracy - GPS RECEIVERS

www.absolac.com (323) 662-9237 or (800) 821-9656



## ProMark500

Base & Rover with  
GLONASS and 35W Radios

**\$26K MSRP with GLONASS \$32K MSRP**

### ProMark™500 from Ashtech

The new Ashtech® ProMark 500 offers GPS+GLONASS+20 years of field-proven technologies for surveying and geodesy. Ashtech's latest RTK survey solution delivers state-of-the art GNSS in a smart, compact, light and cable-free design that gives you maximum mobility and flexibility in the field.

You will be able to not only take advantage of currently available GPS, GLONASS, and SBAS signals, but also be comfortable knowing that you can upgrade your receiver to meet the evolution to future constellations (Galileo).

**Call for your customized quote**

#### Ashtech Technology

Ashtech has added new unique techniques to the already proven performance of its RTK engine: BLADE technology. In addition to the short time to fix, long-range RTK and solution reliability, ProMark 500 includes:

- Patented multi-constellation signal processing.
- RTK solution maintained if data link is dropped (Flying RTK).
- Interoperability with any vendor's reference station using GPS+GLONASS L1/L2

#### All-in-one Flexibility

ProMark 500 offers all-in-one communication capabilities. It is the most flexible GNSS surveying system available, offering multiple operating modes, configurations and communication modules (UHF, GSM/GPRS/EDGE) and protocols.

#### Ultra Mobility and Lightweight Design

The ultra rugged and lightweight design of ProMark 500 is waterproof and shock resistant (2-m pole drop on concrete), for maximum reliability in the field. With a total weight of less than 2 kg for the complete solution, including communications, batteries, controller and bracket, ProMark 500 offers a huge advantage for all-day intensive use.

#### Ergonomics

ProMark 500 has a comprehensive built-in interface for receiver monitoring. This interface is based on a graphical display and functional keys that enable the user to interact directly with the GNSS receiver. In addition, the MobileMapper CX field terminal with FAST Survey field software provides a rich feature set for high-end field operations.

Accessories		
702103	USB device to PC	\$120.00
702104	USB host to device	\$120.00
111374	Battery, ProMark 500	\$110.00
802064	Kit, power supply	\$155.00
730477	Cable, external power, ProMark 500	\$180.00
103717	Vertical Antenna Extension	\$55.00
111397	GSM Antenna	\$12.00
730476	Cable, Transmitter, Ashtech, Data & Power	\$430.00
C0000377	Antenna, whip Ashtech 410-430 MHz	\$110.00
C0000375	Antenna, whip Ashtech 430-450 MHz	\$110.00
C0000376	Antenna, whip Ashtech 450-470 MHz	\$110.00
110970	UHF antenna mounting kit	\$115.00
730178	Cable, Allegro to ProMark 500	\$230.00
111213	Bracket, Allegro	\$295.00
702091	MobileMapperCX to ProMark500 serial cable	\$180.00
702065	MobileMapperCX Data Collector Pole Brkt	\$175.00
206215	Hardcase for PM500	\$390.00

990596	ProMark 500 GNSS unit	\$8,990.00
	ProMark 500 GNSS receiver Battery (Qty=1) Kit, Power supply AC/DC contient: Battery charger, AC Adapter, Power cable 12V CD, documentation containing: Getting started guide, Reference Manual USB cable host, USB cable device GSM/GPRS antenna, Extension, GPS antenna Transport bag, Tape, HI GNSS Solution RTK + L1 post processing	
680500	GLONASS GNSS Signal Option	\$2,990.00
680502	RTK Application Option	\$1,990.00
680527	10 Hz Application Option	\$1,990.00
680528	GSM/GPRS Activation Comm Option	\$990.00

Receivers for Ashtech Transmitters		
802068-10-S	Pacific Crest 410-430 UHF w/Antenna	\$1,490.00
802068-30-S	Pacific Crest 430-450 UHF w/Antenna	\$1,490.00
802068-50-S	Pacific Crest 450-470 UHF w/Antenna	\$1,490.00

Receivers for PacificCrest Transmitters		
802068-15-S	Pacific Crest 410-430 UHF w/Antenna	\$1,490.00
802068-35-S	Pacific Crest 430-450 UHF w/Antenna	\$1,490.00
802068-55-S	Pacific Crest 450-470 UHF w/Antenna	\$1,490.00

Ashtech UHF Transmitters 0.5W/4W		
800986-10	Ashtech, Antenna, Cables 410-430 UHF	\$1,950.00
800986-30	Ashtech, Antenna, Cables 430-450 UHF	\$1,950.00
800986-50	Ashtech, Antenna, Cables 450-470 UHF	\$1,950.00

PacificCrest UHF Transmitter 35W		
110972-10	Transmitter, PacificCrest, 410-430 UHF	\$3,300.00
110972-30	Transmitter, PacificCrest, 430-450 UHF	\$3,300.00
110972-50	Transmitter, PacificCrest, 450-470 UHF	\$3,300.00

Field Terminal		
800981-07	Allegro Field Terminal FAST Survey GPS Module with total station option, Allegro CX controler, color screen, integrated Bluetooth, Cable, Allegro to ProMark 500, Allegro Bracket	\$4,950.00
800981-09	MobileMapper CX Field Terminal Fast survey GPS module with Total station option, MobileMapperCX controler, color screen, integrated Bluetooth, Cable, MMCX to ProMark 500, Bracket, MobileMapperCX	\$2,950.00

Field Software		
800987	FAST Survey GPS and Total Station	\$1,995.00
680529	Robotic Total Station	\$500.00
680530	Advanced Roding	\$500.00

Office Software		
702081-01	GNSS Solutions RTK + L1 post-processing	\$2,245.00
702081-04	GNSS Solutions L1/L2 Post Processing Hardware ( USB port ) Security Key	\$2,995.00
990610	Real-Time Data Server Software (RTDS)	\$490.00



## Ashtech ProFlex™500

The ProFlex 500 offers flexibility on the field. It is a single product which can be used for: Base station operation, Back Pack Land Survey / Positioning, Machine Guidance / Control / Positioning, Marine Inshore Positioning (shallow water, dredging etc.), GPS to GPS+GLONASS+SBAS positioning. The ProFlex500 has various mounting capability in a rugged and compact design, is integrated and various range of mean of communications, and has the most powerful processing engine: BLADE. The ProFlex has 75 channels, Real-Time Position Accuracy (fixed and flying RTK), and up to 10-Hz raw data and position output.

### 800981-09 MobileMapper CX Field Terminal \$2,950.00

Fast survey GPS module with Total station option, MobileMapperCX controller, color screen, integrated Bluetooth, Cable, MMCX to ProMark 500, Bracket, MobileMapperCX

#### Field Software

800987 FAST Survey GPS and Total Station \$1,995.00

680529 Robotic Total Station \$500.00

680530 Advanced Roading \$500.00

#### Office Software

702081-01 GNSS Solutions RTK+L1 post-processing \$2,245.00

702081-04 GNSS Solutions L1/L2 Post Processing Hardware ( USB port ) Security Key \$2,995.00

#### GNSS receiver-related items

702103 USB device to PC \$120.00

702104 USB host to device \$120.00

700461 Serial Interface cable (Fischer-DB9) \$200.00

702426 Ethernet cable (Fischer to RJ45) \$150.00

111374 Battery, ProFlex 500 \$110.00

802064 Kit, power supply \$155.00

730477 Cable, external power, ProFlex 500 \$180.00

111397 GSM Antenna \$12.00

111403 Bluetooth Antenna \$12.00

730476 Cable, TX, Ashtech, Data & Power \$430.00

C0000377 Antenna, whip Ashtech 410-430Mhz \$110.00

C0000375 Antenna, whip Ashtech 430-450Mhz \$110.00

C0000376 Antenna, whip Ashtech 450-470Mhz \$110.00

110970 UHF antenna mounting kit \$115.00

702091 MobileMapperCX to ProFlex 500 serial cable \$180.00

702065 MobileMapperCX Data Collector Range Pole Bracket \$175.00

For other MobileMapper CX items, please refer to the MMCX price list

#### Miscellaneous

103717 Vertical Antenna Extension \$55.00

700439 10m RG223 GPS/GNSS cable (TNC male / TNC male) \$115.00

C5050188 30m RG223 GPS/GNSS cable (TNC male / TNC male) \$195.00

C5050168 30m Low loss UHF cable - KX13 - (N male - N male) \$336.00

P0101131 10m Low loss UHF cable - KX13 - (N male - N male) \$180.00



Call for your customized quote

990607	ProFlex 500 GNSS unit	\$8,995.00
	ProFlex 500 GNSS receiver Battery (Qty=1) Kit, Power supply AC/DC content: Battery charger, AC Adapter, Power cable 12V CD, documentation containing: Getting started guide, Reference Manual USB cable host, USB cable device, Serial Interface cable (Fischer to DB9), Ethernet cable (Fischer to RJ45) GSM/GPRS antenna, Bluetooth Antenna	
680500	GLONASS GNSS Signal Option	\$2,990.00
111406	Survey L1L2 GPS/GLONASS Antenna	\$1,995.00
680502	RTK Application Option	\$1,990.00
680527	10 Hz Application Option	\$1,990.00
890309	Survey Backpack Kit	\$895.00
	BackPack, Battery (Qty=1) GPS Cable with Push-Pull system (1.5m + 0.75m) COAXI. 50 OHMS L. 1M50 PP_M/TNC-M COAXI. 50 OHMS L. 0M75 PP/TNC-M UHF Cable + Pole, Tape, HI, GNSS Solution RTK + L1 post processing	
802089	Connectivity Kit	\$1,150.00
	GPS Cable (10m), UHF Cable (10m) 2 Serial Interface cables (Fischer to DB9) USB device to PC (1.5m) Power cable 3 pins / battery (3m)	
990610	Real-Time Data Server Software (RTDS)	\$490.00
700461	Serial Interface cable (Fischer to DB9)	\$200.00
802086	HW Options 12V/0.5A (1A peak) Power output on portA	\$395.00
P0101390	UHF Marine 30 meter Aerial Kit cable 1m/30m, antenna, bracket	\$590.00
P0101391	UHF Marine 10 meter Aerial Kit cable 1m/10m, antenna, bracket	\$470.00
P076464A	GNSS Marine 30 meter cable kit TNC/TNC w/bracket	\$220.00
P0101393	GNSS Marine 10 meter cable kit TNC/TNC w/bracket	\$160.00
680528	GSM/GPRS Activation Comm Option	\$990.00
Receivers for Ashtech Transmitters		
802087-10	Pacific Crest 410-430 UHF w/Antenna	\$1,490.00
802087-30	Pacific Crest 430-450 UHF w/Antenna	\$1,490.00
802087-50	Pacific Crest 450-470 UHF w/Antenna	\$1,490.00
Receivers for PacificCrest Transmitters		
802087-15	Pacific Crest 410-430 UHF w/Antenna	\$1,490.00
802087-35	Pacific Crest 430-450 UHF w/Antenna	\$1,490.00
802087-55	Pacific Crest 450-470 UHF w/Antenna	\$1,490.00
Ashtech UHF Transmitters 0.5W/4W		
800986-10	Transmitter, Antenna, Cables 410-430 UHF	\$1,950.00
800986-30	Transmitter, Antenna, Cables 430-450 UHF	\$1,950.00
800986-50	Transmitter, Antenna, Cables 450-470 UHF	\$1,950.00
Pacific Crest UHF Transmitter 35W		
110972-10	Transmitter, Antenna, Cables 410-430 UHF	\$3,300.00
110972-30	Transmitter, Antenna, Cables 430-450 UHF	\$3,300.00
110972-50	Transmitter, Antenna, Cables 450-470 UHF	\$3,300.00



**GNSS Solutions**  
Survey Data Processing  
Made Easy



**MobileMapper Office**  
Connecting Field  
with G.I.S.

## ProMark3 Post Processed

### Get More Than Centimeter Accuracy

The leader in L1 GPS surveying introduces ProMark3. ProMark3 extends the Ashtech philosophy of offering an easy-to-use turnkey system to the surveyor. All the required hardware and software are included to perform accurate static, stop & go and kinematic surveys as well as GIS/mapping projects.

ProMark3 easily beats all the limits optical instruments have in terms of portability and range, its ease of use and cost-effectiveness make it the must-have GPS system for post-processed survey. ProMark3 empowers surveyors to offer both survey and GIS/mapping services to customers without a substantial investment in equipment and training.

### Find a Point and Survey It

The ProMark3 system performs powerful surveys, in **static, stop & go or kinematic** modes. With centimeter-accurate control and range far beyond that of an optical instrument, ProMark3 sets a new standard for ease of use and performance.

### Reduce Survey Time by 75%

ProMark3 includes the state-of-the-art Blade™ technology. Blade reduces the survey data collection occupation time by as much as 1/4 and allows reliable GNSS Survey even under poor satellite tracking conditions. ProMark3 is built around a next-generation GNSS engine that offers two ranges of accuracy: Centimeter in post-processing for accurate surveying, Sub-meter in real-time for mapping and navigation. ProMark3 keeps working even in urban canyons and dense foliage using optimized multipath mitigation.

### GIS/Mapping Applications

ProMark3 lets users take any supported GIS file into the field. Now surveyors can navigate to field infrastructure, map or update the GIS data and easily transfer the file back to the office GIS.

### Mapping Made Easy

The software also includes a Feature Library Editor that creates lists of features and attributes for describing GIS assets in the field. MobileMapper Office links the ProMark3 receiver to your GIS. Using this software, users can import GIS data into job files to be updated in the field. It also provides convenient features such as:

- Quick and easy editing and exporting of data. Support for .SHP, .MIF, .DXF and .CSV files
- Uploading or creation of vector background maps for use in the field
- Raster image support
- Post-processing

### 990568-01 ProMark3 - SINGLE RECEIVER \$3,645.00

ProMark3 Receiver Set - North America basemap  
External Antenna, External Antenna Cable  
Vertical Ant Extension, HI Measurement Tape,  
I/O module, USB Cable, Universal A/C adapter, Handstrap  
Field Bracket, Field System Bag, Stylus pen (Q=2),  
Carrying case, Lithium battery pack, SD-card, 32MB  
CD Assy, User Documentation & MobileMapper Office S/W

### 990568-02 ProMark3 - TWO RECEIVER SET \$6,795.00

ProMark3 Receiver Set - QUANTITY 2  
GNSS Solutions (L1) Software  
Kinematic Initializer Bar w/Quick Release set

### ProMark3 Accessories

980782	Battery pack (Runs 8 hours)	\$50.00
730535-01	Universal A/C adapter	\$75.00
980785	Stylus (Q=5)	\$15.00
980788	Carrying case	\$15.00
730396	Cable, USB	\$20.00
980808	I/O module	\$45.00
730392	Cable, cigarette lighter	\$20.00
980784	Antenna, External, car navigation	\$90.00
980783	Battery charger, dual slot	\$75.00
801998	External Power kit (battery included)	\$125.00
730523	Cable, power and communication (no end connector)	\$35.00
R802001	Antenna, External, Survey	\$755.00
702058	Cable, External Antenna, Survey	\$85.00

### Shipping Cases and Bags

104342	Hard Impact Shipping Case	\$335.00
205923	Field System Bag	\$85.00

### PM3 Field Accessories

103717	Vertical Ant Extension	\$55.00
111146	HI Measurement Tape	\$45.00
702065	Field Bracket	\$175.00
800954	Kinematic Initializer Bar w/Quick Release set	\$285.00
104329	Quick release (3" long)	\$55.00
105108	Adapter for quick release	\$25.00

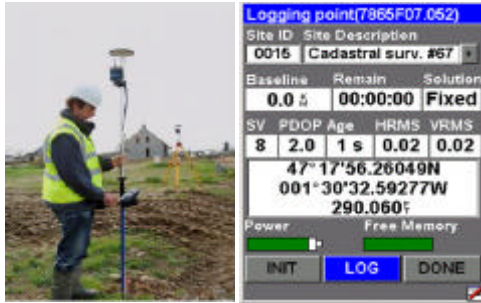
### Software

702081-01	GNSS Solutions (L1) Software	\$2,245.00
702081-08	Upgrade from GNSS Studio or Ashtech Solutions L1 to GNSS Solutions L1	\$500.00

Static Survey Performance (rms)  
Horizontal: 0.005 m + 1 ppm (0.016 ft + 1 ppm)  
Vertical: 0.01 m + 2 ppm (0.032 ft + 2 ppm)  
Azimuth: < 1 arc second  
Observation Time: Ranges from 4 to 40 minutes depending on range and environment

Kinematic Survey Performance  
Horizontal: 0.012 m + 2.5 ppm (0.039 ft + 2.5 ppm)  
Vertical: 0.015 m + 2.5 ppm (0.049 ft + 2.5 ppm)  
Recommended Initializer Bar Occupation: 5 minutes

Real-Time Performance3  
SBAS (WAAS/EGNOS) (rms)  
Horizontal: <1m (3ft)  
DGPS (Beacon or RTCM) (rms)  
Horizontal: <1m (3ft)



## Ashtech ProMark3 RTK Call for Quote

Proprietary Ashtech RTK Technology

ProMark3 RTK offers complete real-time GNSS surveying and mobile mapping capabilities on an innovative platform at a remarkably affordable price.

Ashtech's embedded BLADE™ technology, a proprietary GNSS processing solution, enables ProMark3 RTK to outperform other single-frequency RTK receivers, granting real-time performance in the most lightweight handheld system on the market. An outstanding new GNSS engine, BLADE technology delivers centimeter accuracy for real-time and post-processing surveys and mapping operations. BLADE's unique GPS+SBAS RTK algorithm ensures quick initialization with single frequency receivers and takes full advantage of the maximum satellite coverage from the dual constellation. With BLADE built in, ProMark3 RTK is feature rich, precise and reliable.

### ProMark3 RTK System: Base + Rover

ProMark3 RTK is available as an all-inclusive Base + Rover system with a licence-free plug-and-play radio kit. This provides a great advantage when a network is unavailable or when surveying independently from 3rd party data corrections. The integrated radios conform to the IP65 standard and are directly powered from the receiver and easily configured through a simple menu.

### ProMark3 RTK in Network: Rover Only

ProMark3 RTK can be used as a rover only, connected to a real-time network. A Bluetooth connection can be established between ProMark3 RTK and a cellular phone.

ProMark3 RTK is compatible with NTRIP and direct IP and can be connected to any GPS network broadcasting corrections (RTCM 2.3, RTCM 3.1). In this rover configuration the real-time performance of the receiver is linked to the quality of the network (i.e., distance to the station, interval between stations, VRS quality).

### ProMark3 RTK: Post-processing

As with the original ProMark3 receiver, post-processing features are included in ProMark3 RTK. Raw data, simultaneously recorded during RTK jobs, can also be post-processed via the GNSS solutions office software for superior survey integrity. Post-processing ensures full control of the quality of the data collected.

### ProMark3 RTK: Mapping

ProMark3 RTK enables you to take any supported GIS file into the field. Easily navigate to field infrastructure for reckon and mapping. Update your GIS data and transfer the file back to the office GIS for the customer. In mapping mode, ProMark3 RTK delivers decimeter to centimeter-accurate positioning.

Real-Time Accuracy Good Sat Conditions, 7 Sats  
RTK (horizontal accuracies) baselines <10 km  
Fixed: 1cm (0.032ft) +1ppm  
Float: 20cm (0.656ft) +1ppm (CEP),  
convergence: 3 min

Memory: 128 MB SDRAM, 128 NAND Flash memory  
Removable SD Card: up to 1 GB  
Communication: Bluetooth, USB, RS232  
Radio: License-free radio 500 mW, 869 MHz for  
Europe, 902-928 MHz for North America

Power Characteristics  
Battery type: 3.7 V Li-Ion, 3900 mAh  
Battery life: 8 hours (typical operation),  
6 hours with radio connected  
External power for extended operation time

<b>990582-01</b>	<b>PROMARK3 RTK, NA (North America Basemap)</b>	<b>\$5,145.00</b>
	SET RECEIVER,PROMARK3,NA. Qty1 OPT, SW, RTK LICENSE. Qty 1	
	SET RECEIVER,PROMARK3,NA (North America basemap) contains the following	
	KIT, RECEIVER, PROMARK3, CARRYING CASE PM3 GPS ANT L1 NAP100, PROMARK BAG, EXTENSION, GPS ANTENNA, VERTICALH.I.TAPE, ANTENNA CABLE, FIELD BRACKET, LITHIUM BATTERY, CD USER DOCUMENTS,PROMARK3 & PROMARK3 RTK CD MOBILE MAPPER OFFICE, SD CARD	
<b>990582-02</b>	<b>PROMARK3 RTK SYSTEM, NA</b>	<b>\$9,995.00</b>
	SET RECEIVER, PROMARK3, NA. Qty 2 KIT, TWO LICENSE FREE RADIO, NA KIT, BAR KINEMATIC INITIALIZER, GNSS SOLUTIONS CD Ashtech, TRAINING DVD, PROMARK3 RTK OPT, SW, RTK LICENSE. Qty 2	
<b>990592-01</b>	<b>PROMARK3 RTK WITH FAST SURVEY , NA</b>	<b>\$6,145.00</b>
	SET RECEIVER,PROMARK3,NA. Qty 1 OPT, SW, RTK LICENSE. Qty 1 OPT, SW, FAST SURVEY LICENSE. Qty 1	
<b>990592-02</b>	<b>PROMARK3 RTK SYSTEM WITH FAST SURVEY, NA</b>	<b>\$11,995.00</b>
	SET RECEIVER,PROMARK3,NA. Qty 2 KIT, TWO LICENSE FREE RADIO, NA KIT, BAR KINEMATIC INITIALIZER, GNSS SOLUTIONS CD, DVD Ashtech, TRAINING PROMARK3 OPT, SW, RTK LICENSE. Qty 2 OPT, SW, FAST SURVEY LICENSE Qty 2	
990588	SET RADIO LICENSE FREE, NA	\$625.00
	RADIO MODEM WITH CABLE TO PROMARK3/NA BRACKET RADIO MODEM, PROMARK3 RTK VELCRO TAPE, CBL, WRAP, SPIRAL	
990581	SET TWO RADIO LICENSE FREE, NA	\$1,250.00
	KIT, TWO LICENSE FREE RADIO, NA included bracket velcro tape and extension 5/8" (For further range we can configure w/ Pacific Crest Radios, FCC License Required)	
990589	RTK LICENSE FOR PROMARK3	\$1,500.00
	OPT, SW, RTK LICENSE including CD GNSS solutions and CD Mobile Mapper Office	
990590	FAST SURVEY LICENSE FOR PROMARK3 RTK	\$1,000.00
	<b>Options for Fast Survey</b>	
680495	FAST SURVEY GPS OPTION (other than PM3)	\$400.00
680496	FAST SURVEY TOTAL STATION OPTION	\$400.00
680155	FAST SURVEY ROBOTIC OPTION	\$400.00
680154	FAST SURVEY ROADING OPTION	\$400.00
	See PROMARK3 Price List for add. accessories	
702102	BRACKET RADIO MODEM, PROMARK3 RTK	\$140.00
111362	EXTENSION TUBE 5/8" M/F, LENGTH 25CM	\$60.00



## PROFESSIONAL MobileMapper 6

- Features
- Rugged and waterproof to IPX7
  - Windows Mobile 6, 400Mhz CPU
  - High-sensitivity GPS
  - 2 megapixel digital camera
  - Bluetooth connectivity
  - SD card slot **HC compatible 4 gb**
  - QVGA color touch screen**
  - Embedded speaker and microphone**

## Ashtech MobileMapper GIS

Applications include  
**Forestry and Environment, Agriculture,  
 Public Safety, Utilities, Oil & Gas**

The MobileMapper 6 is an affordable and easy-to-use, professional GPS/GIS hand held receiver. It provides a complete set of all necessary features required by a mapping device for anyone who needs productive data collection and efficient asset management in the field.

MobileMapper 6 GPS engine provides professional accuracy in real time 2 to 5 meters and postprocessing for 1 to 2 meters accuracy. This SBAS-enabled high-sensitivity GPS receiver computes and updates your position even in difficult conditions, such as under tree canopy and in urban surroundings.

### Versatile Mobile GIS Solution

The MobileMapper 6 comes with Microsoft Windows Mobile 6 operating system, a color touch-screen, and it has Bluetooth for wireless connectivity. You can collect GIS/GPS points and maps via the GIS application of your choice: either a third party software or the proprietary Ashtech Mobile Mapping application. You can also navigate, get your direction from the integrated e-compass, and communicate wirelessly.

MobileMapper 6		
990603-S	MobileMapper 6	\$895.00
990603-50	MobileMapper 6, Mobile Mapping SW	\$995.00
990603-53	MobileMapper 6, Mobile Mapping SW, Post Processing	\$1,490.00
990603-51	MobileMapper 6, Arcpad Vs. 8	\$1,395.00
990603-52	MobileMapper 6, DigiTerra Explorer	\$1,295.00
990604	Mobile Mapping Software	\$195.00
990608	Mobile Mapping SW with Post-processing	\$690.00
680547	Post-processing option for Mobile Mapping SW	\$495.00
Accessories		
700-0015-001	External GPS Antenna	\$15.00
206225	Carrying Case	\$15.00
700-0010-001	USB Cable	\$25.00
700-0009-001	AC Power Adapter	\$25.00
700-0019-001	Cigarette Lighter Power Adapter	\$20.00
802075	Windshield Mount	\$30.00

Soon to be released: *Fast Survey software for MM6 (also SurvCE)*  
 Educational Discounts Available on this item

### Software Features

The Ashtech Mobile Mapping application offers powerful yet easy-to-use GIS data collection features. Key GIS data-logging capabilities include:  
 GPS data collection and navigation capabilities  
 SBAS corrections activation and de-activation  
 Raw data collection for post-processing



- Support for vector layers in 2D/3D shapefile format for point, line and area collection
- Continuous or vertex data collection and averaging
- Area and perimeter calculation in the field for real-time area determination
- Structured attribute information definition for each feature, including text, numeric, date, area, perimeter, picture or voice-tag attributes
- Support for the built-in digital camera for image association with a particular feature
- Possibility to offset measurements for all feature types including point, line and area for logging hard-to-reach features
- E-compass reading for offset bearing calculation or picture azimuth measurement

- Nesting, allowing additional points collection while mapping a line or area
- Support for raster data geo-referenced images in TIFF, JPEG and Bitmap formats
- Geo-referencing of raster images in the field
- Interface to cable locators (3M Dynatel)
- Navigation and guidance to an existing feature for the purpose of GIS data maintenance
- Pre-defined (national and international) and user-defined / custom coordinate systems
- International languages support
- Microsoft ActiveSync communication feature for data transfer and synchronization between the GPS receiver and a PC platform



PROFESSIONAL

## MobileMapper CX

Real-time sub-meter and sub-foot post-processed GPS accuracy

Open platform based on Windows CE .NET 5.0  
Multiple DGPS modes: SBAS, Beacon, NTRIP, RTCM  
Support of Bluetooth and WLAN technologies  
Removable SD card memory (up to 4 GB)  
Rugged and waterproof design  
Field replaceable all-day battery  
Built-in alphanumeric keypad

## Mobile Mapping Field Software

Mobile Mapping field software offers you a powerful office tool with easy-to-use features such as:

**GIS Feature Libraries** for logging feature descriptions

**Point, Line and Area** mapping from an easy to learn and use menu structure

**Area** calculation in the field for real-time area determination. Area data can be post-processed in the office to enhance accuracy

**Supports Raster and Vector** map formats

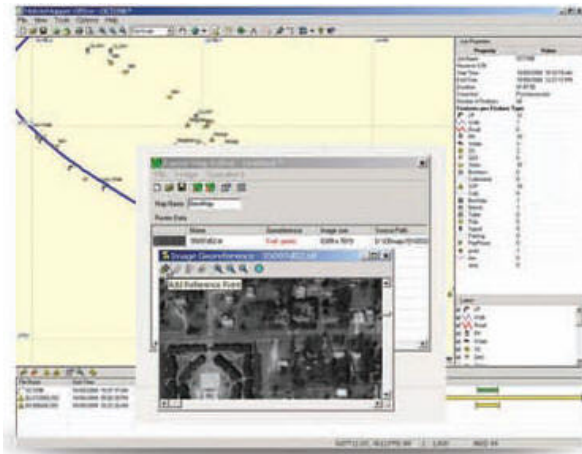
**Offset Function** for logging hard to reach features. This function eliminates the need to physically occupy a feature, you simply need to input distance and bearing to the feature

**Nesting Function** for logging features without closing other features already being logged, e.g. inserting a telephone pole while mapping a road

**Repeat Feature Function** for rapid logging of features with identical descriptions, e.g. poles along a road

**Grid Mapping** utility for collecting evenly distributed measurements (water depth, chemical concentration, etc.) required for contour map generation

**Software Feature** for collecting raw data for post-processed differential correction



## MobileMapper Office for PC

MobileMapper Office links the receiver to the GIS base system and provides convenient features such as:

Full feature library generation, Preparation of job files for field data collection, Creating and editing lists of features and attributes for describing GIS assets in the field, Quick and easy display, editing and exporting of data. Includes support for .SHP, .MIF, .DXF and .CSV files, Uploading or creating of vector background maps for use in the field, Post-processing of code and phase data recorded with the field receiver.

## Ashtech MobileMapper CX GIS-GPS Receiver

Flexibility - Accuracy - Affordability - Ruggedness

Call for Quote

### The Ultimate Mobile Mapping Platform

Ready for a wide range of extreme mobile applications, MobileMapper™ CX is the next generation handheld GPS mobile mapping device from Ashtech. MobileMapper CX handheld GPS receiver integrates sub-meter positioning with embedded Windows® CE .NET, Bluetooth® wireless technology and many more valuable features to offer field professionals the ultimate combination of high-performance and affordability.

990586-01	MobileMapper CX	\$2495.00
990586-02	MobileMapper CX, Mobile Mapping bundle	\$2795.00
990586-03	MobileMapper CX, Mobile Mapping bundle & Post Process	\$3290.00
990586-04	MobileMapper CX, ArcPad bundle, Vs 7	\$2795.00
990586-05	MobileMapper CX, ArcPad & Post Process bundle	\$3290.00
990586-08	MobileMapper CX, Post Process for ArcPad bundle (already have ArcPad)	\$2990.00
990586-09	MobileMapper CX, DigiTerra Explorer	\$2795.00
800981-09	MobileMapper CX, With Fast Survey	\$2950.00
990597	Mobile Mapping software including MobileMapper Office	\$495.00
990601	Activation code for Post-processing for Mobile Mapping SW	\$495.00
980857	Post-processing Differential extension for ArcPad (already have ArcPad)	\$495.00
980873	Activation code for Post-processing Differential DLL extension	\$495.00
980808	MobileMapper CX I/O Module	\$45.00
980786-01	Mobile Mapper Beacon Receiver (Incl. carrying case) Discontinued (Call for Availability)	\$1,395.00
980855	MobileMapper Beacon External Antenna Kit	\$350.00
980784	Automobile External GPS Antenna & Cable	\$90.00
R802001	Precision External Antenna	\$755.00
702058	Precision External Antenna Cable, 5 Meter TNC-SMA	\$85.00
980788	MobileMapper CX Receiver Carrying Case	\$15.00
980785	5 Stylus pens	\$15.00
980782	Lithium-ion Battery	\$50.00
980783	External Dual-Slot Battery Charging Holder (require A/C adapter)	\$75.00
730535-01	Universal A/C adapter	\$75.00
730392	External Power Cable w. Cigarette Lighter Adapter	\$20.00

### GPS Characteristics

14 parallel channels  
Integrated SBAS (WAAS, EGNOS, MSAS)  
L1 C/A code and carrier Update rate: 1 Hz  
Protocol: NMEA 0183 v 3.0 RTCM SC-104 version 2.3 (9.2 & 1.2)

### Accuracy Specifications

Real-Time Performance (RMS)  
Sub-meter accuracy with SBAS(1), Beacon, NTRIP, Direct IP or other RTCM corrections  
Post-processing Performance (RMS) Sub-foot accuracy (30 cm)(2)





# Absolute Accuracy - RANGE FINDERS

www.absolac.com (323) 662-9237 or (800) 821-9656



## SPECIFICATIONS TruPulse

PART #	DESCRIPTION	COLOR	MSRP
7005025	TruPulse 200	Yellow	\$699.00
7005055	TruPulse 200	Grey	\$699.00
7005030	TruPulse 200B (Bluetooth)	Yellow	\$799.00
7005060	TruPulse 200B (Bluetooth)	Grey	\$799.00
7005525	TruPulse 360	Yellow	\$1,595.00
7005530	TruPulse 360B (Bluetooth)	Yellow	\$1,695.00
7005560	TruPulse 360B (Bluetooth)	Grey	\$1,695.00
7005580	TruPulse 360B (Bluetooth)	Tan	\$1,695.00

PART #	TruPulse Accessories	MSRP
7024736	TruPulse Mounting Bracket	\$89.25
7024746	Impulse/TruPulse Yoke Mount "L"	\$94.50
0144773	TruPulse manual	\$20.00
2200025	TruPulse battery door - yellow	\$5.25
2200026	TruPulse battery door - grey	\$5.25
2200021	TruPulse Carrying Case	\$15.75
7035101	TruPulse Foliage Filter	\$41.95
3004896	TruPulse Lanyard/Neckstrap	\$5.25

<b>Measurement Range:</b>	Distance: 0 to 3280 ft (1000 m) typical, 6560 ft (2000m) max to reflective target Inclination: +/- 90 degrees Azimuth: 0 to 359.9 degrees 360&360B
<b>Accuracy:</b>	Distance: +/- 1 ft (+/- 30 cm) Inclination: +/- 0.25 degrees Azimuth: ±1 degree, typical
<b>Operating Modes:</b>	Horizontal and vertical distance Flexible Height routine Target acquisition: Closest, Farthest, Continuous and Filter
<b>Dimensions:</b>	5" x 2" x 3.5" (12cm x 5cm x 9cm)
<b>Weight:</b>	8 ounces (220 g)
<b>Data Communication:</b>	Serial RS232 or Bluetooth (with RS232) for 200&360 Bluetooth for 200B&360B
<b>Power:</b>	3.0 volts DC nominal; (2) AA or (1) CRV3 (batteries not included)
<b>Eye Safety:</b>	FDA Class 1 (CFR 21)
<b>Environmental:</b>	Water & Dust Resistant, NEMA 3, IP 64
<b>Temperature:</b>	-4°F to +140°F (-20°C to +60°C)
<b>Optics:</b>	7x Magnification
<b>Field-of-view:</b>	330 ft @ 1000yds
<b>Display:</b>	In-scope LCD
<b>Units:</b>	Feet, Yards, Meters, and Degrees
<b>Mount:</b>	Monopod/tripod (1/4" - 20)



## IMPULSE HANDHELD LASERS

- 1) Red dot scope
- 2) Scope 1.5-4X16mm zoom; Duplex crosshair reticle
- 3) Scope 3-9X40mm zoom; Duplex crosshair reticle
- 4) Cables are not included
- 5) Cables incl. for Laser (4824163) and Download (7053038)

7003000	IMPULSE 100	1,4	\$1,795.00
7002700	IMPULSE 200	1,4	\$2,495.00
7003832	IMPULSE 200 w/ zoom scope	2,4	\$2,595.00
7003383	IMPULSE 200 LR	1,4	\$2,795.00
7003824	IMPULSE 200 LR w/ zoom scope	2,4	\$2,895.00
7003555	IMPULSE 200 XL	2,4	\$2,895.00
7004523	FOREST PRO	1,4	\$1,895.00
7003880	IMPULSE 2K	3,4	\$2,495.00

## MAPSTAR MODULES

7004100	COMPASS MODULE II (CM)	5	\$1,495.00
7004750	ANGLE ENCODER (AE) - w/case	5	\$2,495.00

## Impulse Accessories

7022879	Impulse Yoke (7034234) and Impulse Mounting Plate Assembly (7022876)	\$152.25
7024746	Impulse Yoke ("L" bracket) (Must have 7022876 to mount Impulse to Yoke)	\$94.50
7022876	Impulse Mounting Plate Assembly	\$57.00
3003021	Brass 5/8 to 1/4-20 Adapter	\$28.00

## MapStar Compass Module Accessories

7034115	MapStar CM GPS Antenna Bracket	\$92.00
7034116	MapStar CM Tripod/Monopod Bracket	\$189.00
1141030	MapStar Yoke Adapter, 1/4-20 X 5/8-11	\$35.00
3004919	Degauser, Hand Held	\$117.00
3003130	CM Tribraç Adapter	\$99.75

## MapStar Angle Encoder Accessories

7024601	AE GPS Antenna Bracket for Impulse	\$162.75
7024596	AE Staff Quick Release	\$105.00
7024597	AE Friction Control (Incl. w/MapStar AE purchase)	\$165.00
7034663	AE Tripod Mount w/Screws	\$26.25
3004670	AE Tribraç Adapter	\$47.25

## SPECIFICATIONS Impulse

<b>Target Accuracy (Typical):</b>	0.1 - 0.2 ft (3 - 5 cm)/LR, XL, 2K 1yd 1m
<b>Target Accuracy (Max):</b>	0.5 ft (15cm)/LR, XL, 2K 2yd 2m
<b>Overhead cable / Stake Range:</b>	165 ft (50m)/LR 330ft, XL, 2K 440 ft
<b>Phone pole / Stockpile Range:</b>	330 ft (100m)/LR 665ft, XL, 2K 875 ft
<b>Tree / Tower Range:</b>	495 ft (150m)/LR 985ft, XL, 2K 1315 ft
<b>Rock Face / Building Range:</b>	820 ft (250m)/LR 1640ft, XL, 2K 1640 ft
<b>Max Distance:</b>	1885 ft (575m)/LR 1885ft, XL, 2K 2400 ft
<b>Range Resolution:</b>	.01 ft (0.01 m)/XL, 2K 1yd 1m
<b>Inclination Limits:</b>	100, 2K N/A / 200, LR, XL +/- 90 deg
<b>Inclination Accuracy:</b>	100, 2K N/A / 200, LR, XL +/- 0.1 deg
<b>Weight:</b>	2.2 lbs. (1 kg)
<b>Size:</b>	6 x 2.5 x 5 in. (15.2 x 6.4 x 12.7 cm)
<b>Power Supply:</b>	(2) AA batteries (20 hours of use)
<b>Environment:</b>	Waterproof to IP 67 and NEMA 6
<b>Temperature:</b>	- 22 to + 140 F (-30 to + 60 C)

## Cables

4824163	20" LTI 4-PIN (straight) to LTI 4-PIN (right angle)	\$47.25
7053038	36" LTI 4-PIN to DB9 Download Cable	\$68.25
7053389	36" LTI 4-PIN to DB9 Serial Cable, Remote trigger hard wired	\$68.25
7053476	DB9 Serial Cable	\$57.75
7053821	72" LTI 4-PIN to DB9 Download Cable	\$78.75
7053972	60" LTI 4-PIN to DB9 Serial Cable, Remote trigger hard wired	\$68.25
7054223	36" LTI 4-PIN to DB9 Download Cable w/Remote Trigger	\$100.00
7054244	5 Meter LTI 4-PIN to DB9 Download Cable	\$152.25
7034743	RS232 to Bluetooth Adapter Cable (incl. 4814857 & 7054608)	\$262.50
7054595	20" LTI 4-Pin to IPAQ	\$78.75
7054608	5" LTI 4-PIN (right angle) to DB9 Connector	\$50.00

## Staffs, Tripods, and DC Brackets

3504630	AE Tripod	\$157.50
3504631	AE Data Collector Clamp	\$78.75
3454590	AE Data Collector Plate	\$84.00
3504236	Impulse/MapStar Staff (DC Bracket sold separately)	\$246.75
1502783	Reflective Tape 4" x 6"	\$1.60
3504647	Quick Release Tip w/ 1/4x20 thread	\$31.50
3504649	Staff Quick Release Tip w/ 5/8 thread	\$31.50
3504650	5/8 x 11 Double Male Adapter	\$21.00
3404665	Digi Tripod w/ ball head	\$136.50
3633292	3" Round Reflector	\$4.20



# Absolute Accuracy - TOTAL STATIONS

www.absolac.com (323) 662-9237 or (800) 821-9656



**Leica**  
Geosystems

## Leica FlexLine TS02 Total Station

Ideal Today, perfect Tomorrow. The ideal Total Station for standard measurement tasks. Designed especially for mid-to-low accuracy applications. It comes complete with a standard set of application software that guide you through your daily work. If more convenient, use Bluetooth® wireless technology to connect any data collector and use the Software which best suits your task and familiarity. Whether you measure to prisms, or prefer direct measurements to objects, the choice is always yours. A selection of

EDM options delivers exactly what you need. With a FlexLine TS02 Total Station you'll complete your measurement tasks today and tomorrow, faster and more reliable than ever before.

Bluetooth® Option Cable-free connection  
License-free communication  
Select any familiar data collector & software

### USB Option

Trouble-free USB plug-and-play technology  
USB memory stick for flexible data transfer  
mini-USB for fast data transfer

### Alpha-numerical Keyboard Option

Rapid entry of numbers, letters and special characters minimizes errors

Enhance productivity **Call for your low Price**

<b>TS02</b> No Package includes: Instrument w/o tribrach, 1 keyboard, manual and container. Basic Package adds: GDF111-1 Tribrach, GEB211 Li-ion Battery, GKL211 Charger, Standard FlexOffice Software and CD	No Package	Basic Package	Basic w/Bluetooth	Basic w/BT DX10 SurvCE
TS02, 7"(2mgon) total station, 1 standard keyboard, user manual and container.	765263 \$6110.00	6002743 \$6600.00	6002745 \$7100.00	6002747 \$9705.00
TS02, 5"(1.5mgon) total station, 1 standard keyboard, user manual and container.	765265 \$6910.00	6002744 \$7400.00	6002746 \$7900.00	6002748 \$10505.00
TS02, 3"(1mgon) total station, 1 standard keyboard, user manual and container.	765268 \$8110.00	custom \$8590.00	custom \$9090.00	custom \$11695.00
TS02, 2"(0.6mgon) total station, 1 standard keyboard, user manual and container.	765280 \$10110.00	custom \$10605.00	custom \$11105.00	custom \$13710.00
<b>TS02 with reflectorless EDM R400</b>				
TS02power, 7"(2mgon) total station, reflectorless EDM, 1 standard keyboard, user manual and container	765271 \$7010.00	custom \$7500.00	custom \$8000.00	6002771 \$10605.00
TS02power, 5"(1.5mgon) total station, reflectorless EDM, 1 standard keyboard, user manual and container.	765274 \$7810.00	custom \$8300.00	6002770 \$8800.00	6002772 \$11405.00
TS02power, 3"(1mgon) total station, reflectorless EDM, 1 standard keyboard, user manual and container.	765276 \$9010.00	custom \$9500.00	custom \$10000.00	custom \$12605.00
TS02power, 2"(0.6mgon) total station, reflectorless EDM, 1 standard keyboard, user manual and container.	765281 \$11010.00	custom \$11500.00	custom \$12000.00	custom \$14605.00
<b>TS02 with reflectorless EDM R1000</b>				
TS02ultra, 7"(2mgon) total station, extended-range EDM, 1 standard keyboard, user manual and container.	765277 \$8860.00	custom \$9350.00	custom \$9850.00	custom \$12455.00
TS02ultra, 5"(1.5mgon) total station, extended-range EDM, 1 standard keyboard, user manual and container.	765278 \$9660.00	custom \$10150.00	custom \$10650.00	custom \$13255.00
TS02ultra, 3"(1mgon) total station, extended-range EDM, 1 standard keyboard, user manual and container.	765279 \$10860.00	custom \$11350.00	custom \$11850.00	custom \$14455.00
TS02ultra, 2"(0.6mgon) total station, extended-range EDM, 1 standard keyboard, user manual and container.	765282 \$12860.00	custom \$13350.00	custom \$13850.00	custom \$16460.00

### Additional Hardware Options for TS02 - Keyboards

765308	GTS24- 2nd keyb., simple numeric standard keyboard for TS02 instruments, for telescope position 2, fitted.	\$250.00
765309	GTS25- 1st keyb., alpha numeric keyboard, for TS02 instruments, for telescope position 1, fitted.	\$1,250.00
765310	GTS26- 2nd keyb., alpha numeric for TS02 instruments, for telescope position 2, fitted.	\$750.00

### Additional Hardware Options for TS02 - Communication Sidecover

6002321	Set; GSD04 Communication Sidecover with USB host, USB device plug, int. Bluetooth, USB Memory Stick & GEV223 USB Cable for TS02/06/09, mounted (can be ordered only with new instrument)	\$500.00
---------	--	----------

### Additional Hardware Options for TS02 - reflectorless EDM R30

765311	FlexPoint (Laserpointer & short Reflectorless range option) for non-RL TS02 Instruments Reflectorless EDM R30	\$450.00
762692	EGL5, electronic guide light, for TS02/06/09, TPS400/800/1200 instruments without ATR.	\$750.00

### Additional Hardware Options for TS02/06/09 - Artic (-35°C)

766274	Arctic Option for TS02/06/09, modified and tested at -35°C Allow 4-6 Week Delivery	\$2,000.00
--------	--	------------

### Additional Software Options for TS02

765312	TS02 Applications License "COGO"	\$250.00
765313	TS02 Applications License "Reference Plane"	\$150.00
765314	TS02 Applications License "Road 2D"	\$400.00
765315	TS02 Applications License "Reference Arc"	\$150.00



## Leica Geosystems Leica FlexLine TS06 Total Station

Flexibility that counts. For complete flexibility, a Total Station that is ready for any challenge. Designed for mid accuracy applications. As standard, an alpha-numerical keyboard and a complete set of application software is included. For additional flexibility, a wide range of options ensures that you can always count on your TS06 Total Station. Whether you measure to prisms, or prefer direct measurements to objects, the choice is always yours. A selection of EDM options delivers exactly what you need. With a FlexLine TS06 Total Station you can be sure that you're fully equipped with the flexibility that you can count on.

Bluetooth® and USB Option  
 Bluetooth® cable-free connection  
 USB memory stick for flexible data transfer  
 mini-USB for fast data transfer

Alpha-numerical Keyboard  
 Rapid entry of numbers, letters and special characters  
 minimizes errors enhance productivity

2", 3" or 5" Angular Accuracy  
 Quadruple axis compensation to  
 guarantee accurate and reliable angle measurement

**Call for your low Price**

TS06 R30 No Package includes: Instrument w/o tribrach, 1 keyboard, manual and container. Basic Package adds: GDF111-1 Tribrach with 5" and GDF121 Pro with 3 and 2", GST27 2nd Alpha Keyboard, GEB211 Li-ion Battery, GKL211 Charger, Standard FlexOffice Software and CD	No Package	Basic Package	Basic w/Bluetooth	Basic w/BT DX10 SurvCE
TS06, 5"(1.5mgon) total station, 1 alpha numeric keyboard, user manual and container.	765286 \$7995.00	6002778 \$9235.00	6002779 \$9735.00	6002781 \$12340.00
TS06, 3"(1mgon) total station, 1 alpha numeric keyboard, user manual and container.	765285 \$9200.00	6002773 \$10575.00	6002774 \$11075.00	6002776 \$13680.00
TS06, 2"(0.6mgon) total station, 1 alpha numeric keyboard, user manual and container.	765284 \$11200.00	custom \$12575.00	custom \$13075.00	custom \$15680.00
<b>TS06 with reflectorless EDM R400</b>				
TS06power, 5"(1.5mgon) total station, reflectorless EDM, 1 alpha numeric keyboard, user manual and container.	765289 \$8900.00	custom \$10140.00	6002780 \$10640.00	6002782 \$13245.00
TS06power, 3"(1mgon) total station, reflectorless EDM, 1 alpha numeric keyboard, user manual and container.	765288 \$10100.00	custom \$11475.00	6002775 \$11975.00	6002777 \$14580.00
TS06power, 2"(0.6mgon) total station, reflectorless EDM, 1 alpha numeric keyboard, user manual and container.	765287 \$12100.00	custom \$13475.00	custom \$13975.00	custom \$16580.00
<b>TS06 with reflectorless EDM R1000</b>				
TS06ultra, 5"(1.5mgon) total station, extended-range reflectorless EDM, 1 alpha numeric keyboard, user manual and container.	765292 \$10750.00	custom \$11990.00	custom \$12490.00	custom \$15095.00
TS06ultra, 3"(1mgon) total station, extended-range reflectorless EDM, 1 alpha numeric keyboard, user manual and container.	765291 \$11950.00	custom \$13325.00	custom \$13825.00	custom \$16430.00
TS06ultra, 2"(0.6mgon) total station, extended-range reflectorless EDM, 1 alpha numeric keyboard, user manual and container.	765290 \$13950.00	custom \$15325.00	custom \$15825.00	custom \$18430.00
<b>Additional Hardware Options for TS06 - Keyboards</b>				
765317 GTS27, 2nd alpha numeric keyboard, for TPS06 instruments, for telescope position 2, fitted.				\$750.00
<b>Additional Hardware Options for TS06 - Communication Sidecover</b>				
Set; GSD04 Communication Sidecover with USB host, USB device plug, int. Bluetooth, USB Memory Stick & 6002321 GEV223 USB Cable for TS02/06/09, mounted (can be ordered only with new instrument)				\$500.00
<b>Additional Hardware Options for TS06 - EDM</b>				
762692 EGL5, electronic guide light, for TS02/06/09, TPS400/800/1200 instruments without ATR.				\$750.00
<b>Additional Hardware Options for TS02/06/09 - Artic (-35°C)</b>				
766274 Arctic Option for TS02/06/09, modified and tested at -35°C Allow 4-6 weeks for Delivery				\$2,000.00
<b>Additional Software Options for TS06</b>				
765318 "Roadworks 3D" Application licence for TS06				\$500.00
765319 "TraversePRO" Application licence for TS06				\$500.00



**Leica**  
Geosystems

## Leica FlexLine TS09 Total Station

Performance guaranteed. A true performance orientated Total Station that continually delivers regardless how demanding the task may be. Designed especially for mid-to-high accuracy applications. By including all FlexLine features from removable USB memory, Bluetooth® wireless technology, Emitting Guide Light to a complete range of application software, your TS09 guarantees maximum performance. Whether you measure to prisms, or prefer direct measurements to objects, the choice is always yours. A selection of EDM options delivers exactly what you need. With a FlexLine TS09 Total Station you have complete confidence of total performance for every application.

Bluetooth®, USB, Keyboard  
Bluetooth® cable-free connection  
USB memory stick for flexible data transfer  
mini-USB for fast data transfer  
Alpha-numerical keyboard for rapid entry  
Electronic Distance Measurement  
Prism: 3500 m, 1 mm+1.5 ppm accuracy  
Non-Prism: 30 m FlexPoint  
Non-Prism: >400 m PinPoint – Power  
Non-Prism: >1000 m PinPoint – Ultra  
1", 2" or 3" Angular Accuracy  
Quadruple axis compensation to guarantee accurate and reliable angle measurement

**Call for your low Price**

TS09 R30 No Package includes: Instrument w/o tribrach, 2 alpha keyboard, manual and container	No Package	Add Standard Pkg. 6002322 \$975.00	Add Advanced Pkg. 6002323 \$1670.00
---	------------	------------------------------------	-------------------------------------

TS09, 3"(1mgon) total station, laser plummet, 2 alpha numeric keyboard, user manual and container.	765301 \$11240.00	\$12215.00	\$12910.00
TS09, 2"(0.6mgon) total station, laser plummet, 2 alpha numeric keyboard, user manual and container.	765300 \$13240.00	\$14215.00	\$14910.00
TS09, 1"(0.3mgon) total station, laser plummet, 2 alpha numeric keyboard, user manual and container.	765299 \$15740.00	\$16715.00	\$17410.00

### TS09 with reflectorless EDM R400

TS09power, 3"(1mgon) total station, reflectorless EDM, laser plummet, 2 alpha numeric keyboard, user manual and container.	765304 \$12140.00	\$13115.00	\$13810.00
TS09power, 2"(0.6mgon) total station, reflectorless EDM, laser plummet, 2 alpha numeric keyboard, user manual and container.	765303 \$14140.00	\$15115.00	\$15810.00
TS09power, 1"(0.3mgon) total station, reflectorless EDM, laser plummet, 2 alpha numeric keyboard, user manual and container.	765302 \$16640.00	\$17615.00	\$18310.00

### TS09 with reflectorless EDM R1000

TS09ultra, 3"(1mgon) total station, extended-range reflectorless EDM, laser plummet, 2 alpha numeric keyboard, user manual and container.	765307 \$13990.00	\$14965.00	\$15660.00
TS09ultra, 2"(0.6mgon) total station, extended-range reflectorless EDM, laser plummet, 2 alpha numeric keyboard, user manual and container.	765306 \$15990.00	\$16965.00	\$17660.00
TS09ultra, 1"(0.3mgon) total station, extended-range reflectorless EDM, laser plummet, 2 alpha numeric keyboard, user manual and container.	765305 \$18490.00	\$19465.00	\$20160.00

### Additional Hardware Options for TS09 - Artic (-35°C)

766274 Arctic Option for TS02/06/09, modified and tested at -35°C Allow 4-6 week delivery.	\$2,000.00
--	------------

### Additional Software Options for TS09

766275 TS02/06/09 Application License "Mining" English Language	\$990.00
---	----------

### Batteries

733269 GEB211, Lithium-Ion battery, 2Ah, rechargeable. To be used with RX1220.	\$130.00
733270 GEB221, Lithium-Ion Battery, 4Ah	\$180.00

### Battery Chargers

734752 GKL211, Charger BASIC, for Li-Ion batteries GEB221 and GEB211, car adapter cable and net adapter included.	\$110.00
733271 GKL221, Charger PRO. To be used with up to two charging adapters GDI221 or GDI222, Charger cable and net adapter included.	\$500.00
733323 GDI221, Adapter for GKL221 for charging 2 Li-Ion batteries GEB221, GEB211.	\$60.00

### Standard Accessory Set for TS02/06/09

6002322 TS02/06/09 Standard accessory Set, consisting of: 1 Tribrach (GDF111-1), 1 Battery (GEB211), 1 Charger (GKL211), 1 Data-Transfer-Cable Lemo 0/USB (GEV189), 1 Miniprism Set (GMP111), 1 Instruments height meter (GHM007+GHT196)	\$975.00
--	----------

### Advanced Accessory set for TS02/06/09

6002323 TS02/06/09 Advanced accessory Set, consisting of: 1 Tribrach (GDF121), 1 Battery (GEB221), 1 Charger (GKL221), 2 charging adapters (GDI221), 1 Data-Transfer-Cable Lemo 0/USB (GEV189), 1 Miniprism Set (GMP111), 1 Instruments height meter (GHM007+GHT196)	\$1640.00
--	-----------



# Absolute Accuracy - TOTAL STATIONS

www.absolac.com (323) 662-9237 or (800) 821-9656

### Wooden Tripods

296632	GST20, telescopic, with accessories.	\$385.00
394752	GST20-9, telescopic, w/ accessories, w/o pouch	\$350.00
667301	GST120-9, telescopic, selfclosing, with accessories, without pouch.	\$350.00
399244	GST05, telescopic, with polymer coating, with accessories.	\$250.00
328422	GST40, with rigid legs, with accessories.	\$650.00
332200	Tripod-star GST4, for setting up tripods on hard and slippery surfaces.	\$195.00

### Aluminium Tripods

563630	Aluminum-Tripod GST05L, telescopic, with accessories.	\$250.00
663096	BST02L, Aluminium Tripod, telescopic, with Quick-action clips	\$185.00
663095	BST01L, Aluminium Tripod, light, telescopic, with Quick-action clips	\$135.00

### Tripods with Adjustable Height Column

663099	Crankable laser tripod LAT195, 195 cm (77 inches)	\$425.00
663100	Crankable laser tripod LAT265, 265 cm (104 inches)	\$475.00

### Tribrachs

667304	GDF121 PRO, w/o optical plummet, pale green.	\$385.00
667307	GDF122 PRO, with optical plummet, pale green.	\$495.00
443603	GDF21, without optical plummet, light green.	\$385.00
506299	TGDF22, with optical plummet, light green.	\$495.00
748888	GDF111-1 BASIC, without optical plummet	\$250.00
667308	GDF112 BASIC, with optical plummet, pale green/red.	\$350.00
714793	GDF101 BASIC, without optical plummet, red.	\$200.00
726840	CTB102, Choice with Optical Plummet, Black	\$275.00

### Height Hook

667244	Height hook with integrated tape measure	\$190.00
--------	--	----------

### Instrument Height Meter

667718	GHM007 Instruments height meter.	\$42.00
722045	GHT196 Distance holder for height meter.	\$8.00
667316	SNLL121, Sensor zenith-nadir laser plummet, pale green, with user manual.	\$495.00

### Reflector Carriers

360532	Carrier GZR2, with plate level, without optical plummet, for target plate	\$425.00
428340	Carrier GZR3, with plate level and optical plummet, for Target plate.	\$745.00
725566	Carrier GZR103, with plate level and optical plummet, for reflectors and GPS antenna, pale green.	\$330.00
560112	Carrier GRT44 for GPS antenna, EDM reflectors and target plates, light green.	\$130.00
667313	Carrier GRT144 for GPS antenna, EDM reflectors and target plates, pale green.	\$115.00
667216	GRT146 Carrier with 5/8" screw, GPS antenna screws on directly.	\$110.00
762322	GRT246, Carrier with 5/8" screw, GPS antenna screws on directly, Black	\$110.00

### Reflectors

641617	Circular prism GPR121 PRO, with holder and target plate	\$365.00
753492	GPR113 Circular prism with red holder	\$185.00
641618	Circular prism GPR111 BASIC, with holder and target plate	\$195.00
362830	Circular prism GPR1, in container	\$240.00
362823	Target plate GZT4, for GPH1	\$55.00

### Mini Prisms

641662	Mini prism GMP101, incl. bubble, target plate and spike, in bag, also suitable for GLS11 and GRT44 (same height as GPH1, offset+17.5mm)	\$225.00
641663	Mini prism with target plate GMP102, for GLS11 and GRT44 (same height as GPH1, additive constant 17.5mm)	\$190.00
641664	Mini prism GMP103, small, usable with GLS11 and GRT44 (20mm lower than GPH1, additive constant +17.5mm).	\$165.00
641762	Mini prism GMP104, with L-bar, for fixed installations.	\$115.00
641615	Mini prism GMP111 BASIC, incl. bubble, with GLS115 and GHT111.	\$260.00
642534	Mini prism 0-Constante GMP111-0 BASIC, incl. bubble, with GLS115 and GHT111.	\$250.00

### 360 Degree Prisms

639985	GRZ4 360° Reflector	\$990.00
754384	GRZ122 360 degree prism w/ GPS adapter	\$1700.00
667399	GRZ121 360° Reflector PRO.	\$1700.00
644327	GRZ101, 360° Mini prism, const +30mm.	\$630.00

### Precision Prism

555631	Single-prism precision reflector GPH1P	\$1,655.00
--------	--	------------

### Prism Holders

362820	Single-prism holder GPH1, for all TC	\$70.00
400080	Three-prism holder GPH3	\$95.00

### Retro Targets

632364	Short range lens for retro targets in container	\$750.00
635317	Retro Targets S, Retro targets, 20x20mm, 20 pieces, 2-40m.	\$50.00
635318	Retro Targets M, Retro targets, 40x40mm, 20 pieces, 20-100m.	\$85.00
635319	Retro Targets L, Retro targets, 60x60mm, 20 pieces, 60-180m.	\$125.00

### Adapters for Reflector Carriers

667217	Screw-to-stub adapter for fitting GPS antenna on carriers with stub and poles with stub. Needed to setup antenna on carriers with stub and poles with stub	\$130.00
742006	GAD103, Adapter for attaching the GRZ101 to all poles (except mini poles) and reflector carriers.	\$45.00
8201362	Adapter fitting GPH1/GPH3 to 5/8"x11 male	\$40.00
8201363	Adapter with 5/8"x11 male thread fitting on GLS11/GRT10	\$40.00

### Containers and Softbags

555634	GVP468 Container for 2 precision reflectors.	\$150.00
722322	GVP616 Multi-container for GPH, GRT, GDF and SNL.	\$140.00
667451	Container GVP609, for 2 Circular prisms GPH111/121, 2 Laser plummets and 2 tribrachs.	\$300.00
725512	Soft bag GVP621, for GRZ4/GRZ121.	\$55.00
642344	Soft bag GVP608, for Mini prism GMP111, GRZ101.	\$30.00
744501	GDZ66 Container back straps (set of 2) *fits red instrument containers made after Nov. 05*	\$40.00
663290	GDZ29 Back strap (2), for container (for T100, TPS400700/1100/1200). - spare part only -	\$25.00
632249	Back strap GDZ20, for transport container, for each container two are needed (for TPS1000/2000 Tachometers).	\$15.00



## Standard Poles

754389	GLS12F, 2m Telescopic aluminum pole, US Feet graduations	\$300.00
754391	GLS12, 2m Telescopic aluminum pole, metric graduations	\$250.00
385500	Reflector pole GLS11, telescopic, with circular bubble, cm and ft graduation, extends to 2,15m	\$195.00
555720	Dual strut support GSR2 for GLS11/GLS11K plumbing pole	\$440.00
403428	GZW412 Extension 1m long, for reflector pole GLS11 and carriers	\$130.00
667309	Reflector pole GLS111 BASIC, with bull's-eye bubble, cm/ft graduation, extends to 2.60m, with red/white 0.20m graduations	\$245.00
667310	Reflector pole GLS112 BASIC, with bull's-eye bubble, cm/ft graduation, extends to 3.65m, with red/white 0.20m graduations	\$295.00
667319	Dual-strut support GSR111, for all GLS	\$295.00
642106	GLS115 Mini reflector pole, four screw-together sections, extends to 1.3m	\$85.00

## Hidden Point Pole

742329	GMP112, Hidden Point pole extension for GMP111. Includes mini prism with holder and 30cm adapter pole.	\$225.00
744495	GMP112-0, Hidden Point Pole Extension for GMP111-0	\$300.00

## Hidden Point Pole Kit

742349	Hidden Point pole set consisting of 1x GMP111 and 1x GMP112.	\$450.00
--------	--	----------

## Quickstand

560138	Quick stand with 3 telescopic legs, for aluminum or carbon fiber pole	\$525.00
--------	---	----------

## Data Transfer Cables

409684	GEV58 Cable Y-shaped, connecting Theodolite or DISTOMAT with Leica Modem/ Datarecorder and External battery, Y-Cable, long.	\$210.00
560254	2.8m Data transfer & Upload cable, Lemo to 9-pin RS232 connector	\$120.00
563625	GEV102, Data transfer cable, connects a TPS or DNA to PC (9-pin RS232 serial), 2m.	\$100.00
565855	Y Upload Cable, [2m/Lemo-0, 2m/DB9, 15cm/Lemo-1]	\$345.00
667398	GEV147 Data transfer cable Lemo 0/HR10, for connecting electronic field book etc.	\$150.00
707135	GEV137 Cable Y-shaped, connecting Theodolite or DISTOMAT with Leica Modem/ Datarecorder and External battery, Y-Cable, short.	\$150.00
707525	Lemo Canon converter 30°, for PC.	\$80.00
733280	GEV160, Data Transfer Cable, connects GPS1200 or RX1220 to PC (9-Pin RS232 Serial), 2.8m	\$130.00
733282	GEV162, 2.8m Data transfer cable. Connects RX Controller Port to PC for data transfer, firmware upload etc. Lemo to 9 pin RS232 serial connector.	\$140.00
734696	GEV185, Data Transfer Cable, connects RX1220 to TPS1200, 1.8m	\$190.00
734697	GEV186, Y-Cable, Connects RX1200 or TCPS27 to TPS1200 & External Battery, 1.8m	\$290.00
734698	GEV187, Y-Cable connects TPS1200 to PC (9-pin RS232 Serial) and External Battery, 2m	\$250.00
734699	GEV188, Y-Cable, connects TCPS27 or RX1200 to PC (9-pin RS232 Serial) and External Battery, 2m	\$390.00
734959	GEV190, Y-Cable connects RX1200 to TCPS27 and External Battery, 2m	\$475.00
734700	GEV189, Data transfer cable, Lemo to USB connector (incl. USB electronics), 2.0m. Connects TPS/DNA to PC for data transfer. PC driver and user manual included on CD.	\$175.00
734755	GEV195, 2.8m Data transfer cable, Lemo to USB connector (Incl. USB electronic). Connects GPS Receiver to PC for data transfer, firmware upload etc. PC driver included on CD.	\$250.00
8214764	Total Station lemo 5-pin to DB9, coiled cable	\$100.00

## Standard Batteries

733270	GEB221, Lithium-Ion Battery, 4Ah	\$180.00
733269	GEB211, Lithium-Ion battery, 2Ah, for RX1220.	\$130.00
667123	GEB121, NiMH, 6V/4.2Ah, (TPS400/700/800, GPS500).	\$110.00
667318	GEB111, NiMH, 6V/2.1Ah, rechargeable (for T100, TPS100/400/700/800, RCS1100).	\$80.00
712156	GAD39 Battery adapter for six LR6/AA/AM3, 1.5V alkaline	\$50.00

## Plug-in Rechargeable Batteries

636850	GEB87, NiCd, 12V/1.2Ah, (for TPS1000/2000).	\$160.00
667147	GEB187, NiMH, 12V/1.8Ah, (for TPS1000/2000).	\$180.00
439149	GEB77, NiCd, 12V/0.6Ah, ( for TC400...905)	\$160.00
522767	Plug-in battery GEB79, 12V/0.5Ah, rechargeable	\$215.00

## External Batteries

727367	GEB171, External universal battery, NiMH, 12V/8Ah	\$395.00
402210	Small 12V 2Ah NiCd battery GEB70	\$210.00

## Chargers

639959	GKL22-1 115 V, US version - (for 5-Pin Plug Batteries except GEB171)	\$90.00
734753	GKL112, BASIC, for Ni-Mh batteries GEB121 and GEB111, car adapter cable and net adapter incl.	\$80.00
636983	GKL22, 230V, 50/60Hz, Euro-type plug, charges 1 battery GEB87 or GEB70, normal charges 14 hrs.	\$80.00
734752	GKL211, BASIC, for Li-Ion batteries GEB221 and GEB211, car adapter cable and net adapter incl.	\$110.00
733271	GKL221, Charger PRO. To be used with up to two charging adapters GDI221 or GDI222, Charger cable and net adapter included.	\$500.00

## Charger Adapters

733323	GDI221, Adapter for GKL221 for charging 2 Li-Ion batteries GEB221, GEB211.	\$60.00
733322	GDI222, Adapter for GKL221 for charging Ni-Mh batteries of type GEB121, GEB111,, charger cable for GEB87-187-77-79-70-71-171 or adapter plate GDI121.	\$60.00
734389	GDC221, Car adapter for the GKL221 charger. Allows the GKL221 w/ cig lighter; 12V24V DC/DC Converter.	\$180.00

## Power Cables

409678	GEV52, cable, connects TPS or DNA to ext. battery.	\$130.00
439038	GEV71, 4m car battery cable, GPS receiver to 12V battery	\$210.00
734698	GEV187, Y-Cable connects TPS1200 to PC (9-pin RS232 Serial) and External Battery, 2m	\$250.00
734697	GEV186, Y-Cable, Connects RX1200 or TCPS27 to TPS1200 & External Battery, 1.8m	\$290.00
734699	GEV188, Y-Cable, connects TCPS27 or RX1200 to PC (9-pin RS232 Serial) and External Battery, 2m	\$390.00
734959	GEV190, Y-Cable connects RX1200 to TCPS27 and External Battery, 2m	\$475.00
560130	1.8m cable, GEB171 external. battery to GPS receiver.	\$130.00
733298	GEV172, 2.8m Y-cable connects GPS Receiver with two external power supplies	\$415.00
636972	0.5m cable, GEB171 external battery to GPS receiver.	\$130.00

## Diagonal Eyepieces

721966	GF22 Diagonal eyepiece for telescope T100.	\$450.00
734514	GF23 Diagonal eyepiece for telescope, exc. T100	\$495.00
376236	Eyepiece for steep sights GOK6, with joint allowing variable sighting angle.	\$1130.00

## Interchangeable Eyepieces

377802	FOK53, additional eyepiece (factory mod.)	\$600.00
346475	Eyepiece FOK73, 40x, for fitting subsequently	\$350.00

## Autocollimation Eyepiece

199899	Autocollimation eyepiece (for T...300...2003)	\$840.00
394787	Lamp, with cable for Autocollimation eyepiece	\$170.00
394792	Battery box GEB63 for autocollimation eyepiece w/ lamp	\$360.00

## Eyepiece Filters

321374	GOF4 Eyepiece Filter, black, for GFZ1[diagonal] and telescope eyepiece	\$150.00
--------	--	----------

## Auxiliary Lens

363871	GVO7 Auxiliary lens, in case, measuring range 1.72-0.88m. "For Theodolites and angle measurements with tachometers only"	\$260.00
--------	--	----------



# Absolute Accuracy - TOTAL STATIONS

www.absolac.com (323) 662-9237 or (800) 821-9656

Data Transfer Cables			Producer Certificates		
734700	GEV189, Data transfer cable, Lemo to USB connector (incl. USB electronics), 2.0m. Connects TPS/DNA to PC for data transfer. PC driver and user manual included on CD.	\$175.00	723945	Producer Inspection Certificate M, total stations, distances with both infrared and reflectorless EDM, TPS300/TPS400/TPS700/TPS800/TPS1100/TPS1200.	\$1,350.00
764700	GEV223 USB mini to USB normal	\$Call	723946	Producer Inspection Certificate M, total stations, angle and distances with both infrared and reflectorless EDM, TPS300/TPS400/TPS700/TPS800/TPS1100/TPS1200.	\$1,500.00
563625	GEV102, Data transfer cable, connects a TPS or DNA to PC (9-pin RS232 serial), 2m.	\$100.00	366358	Producer Certificate O, all main products.	\$170.00
667398	GEV147 Data transfer cable Lemo 0/HR10, for connecting electronic field bock etc.	\$150.00	366359	Producer Inspection Certificate M, total stations, angle and distance with infrared EDM, TPS300/TPS400/TPS700/TPS800/TPS1000/TPS1100/TPS1200/TC(A)2003.	\$1,200.00
Data Collectors - DX10-R (Archer from Juniper Systems)			559655	Producer Inspection Certificate M, theodolite, total stations, angle, TPS300/TPS400/TPS700/TPS800/TPS1000/TPS1100/TPS1200.	\$420.00
765816	DX10-R, red robust site PDA, rubber protection, Windows Mobile OS, touch screen, Bluetooth, CF-Card and SD-Card slots, stylus for touch screen, rechargeable Li-Ion battery, charger, USB cable (mini to full), hand strap, screen protectors, tripod bracket, user manual, quick start guide	\$1,610.00	663177	Producer Inspection Certificate M, total stations, distance with infrared EDM, TPS300/TPS400/TPS700/TPS800/TPS1000/TPS1100/TPS1200/TC(A)2003.	\$1,000.00
Data Collectors - Allegro (Juniper Systems)			Calibration Certificates		
8215667	AllegroCX Data Collector (Mono Display) w/128Mb RAM and 256Mb Data Storage	\$2,475.00	757424	Calibration Certificate - na. accredited Calibration Laboratory, total stations, angle, TPS400/700/800/TPS1200/TPS2000/TS02/06/09	\$1,545.00
8218092	AllegroCX Data Collector (Mono Display) w/128Mb RAM and 512Mb Data Storage	\$2,675.00	757425	Calibration Certificate - na. accredited Calibration Laboratory, total stations, angle and distance IR, TPS400/700/800/TPS1200/TPS2000/TS02/06/09	\$1,820.00
8215669	AllegroCX Data Collector (Color Display) w/128Mb RAM and 256Mb Data Storage	\$2,775.00	Basic CCPs		
8218015	AllegroCX Data Collector (Color Display) w/128Mb RAM and 512Mb Data Storage	\$3,475.00	6002580	1 yr TS02/06/09 Basic CCP consisting of: 1 yr SW Maintenance 1 yr Customer Support	\$370.00
8219728	AllegroCX Data Collector (Color Display) w/128Mb RAM and 1Gb Data Storage	\$2,975.00	6002581	2 yr TS02/06/09 Basic CCP, consisting of: 2 yr SW Maintenance, 2 yr Customer Support.	\$710.00
Data Collection - Software			6002582	3 yr TS02/06/09 Basic CCP, consisting of: 3 yr SW Maintenance, 3 yr Customer Support.	\$1,050.00
8212081	Carlson SurvCE TS	\$995.00	Blue CCPs		
8212087	Carlson SurvCE TS w/ Roads Option	\$1,495.00	6002583	1 yr TS02/06/09 Blue CCP, consisting of: 1 yr HW Maintenance, 1 yr SW Maintenance, 1 yr Customer Support.	\$1,040.00
Leica FlexOffice Software			6002584	2 yr TS02/06/09 Blue CCP, consisting of: 2 yr HW Maintenance, 2 yr SW Maintenance, 2 yr Customer Support.	\$2,000.00
769610	FlexOffice Standard CD-ROM	\$25.00	6002585	3 yr TS02/06/09 Blue CCP, consisting of: 3 yr HW Maintenance, 3 yr SW Maintenance, 3 yr Customer Support.	\$3,020.00
769608	FlexOffice Standard Software, basic functionality for FlexLine instruments.	\$100.00	Silver CCPs		
769611	FlexOffice Advanced CD-ROM	\$25.00	6002586	2 yr TS02/06/09 Silver CCP, consisting of: 2 yr HW Maintenance, 2 yr SW Maintenance, 2 yr Customer Support, 1 yr Extended Warranty.	\$2,330.00
769609	FlexOffice Advanced Software, including TPS-Processing and COGO for FlexLine instruments.	\$300.00	6002587	3 yr TS02/06/09 Silver CCP, consisting of: 3 yr HW Maintenance, 3 yr SW Maintenance, 3 yr Customer Support, 2 yr Extended Warranty.	\$3,680.00
Additional Options (only for FlexOffice Advanced)			6002588	1 yr Ext. TS02/06/09 Silver CCP, consisting of: 1 yr HW Maintenance, 1 yr SW Maintenance, 1 yr Customer Support, 1 yr Extended Warranty.	\$1,400.00
734725	Design and Adjustment 3D, (protected option)	\$1,500.00	Gold CCPs		
734726	GIS/CAD Export, (protected option)	\$850.00	6002589	3 yr TS02/06/09 Gold CCP, consisting of: 3 yr HW Maintenance (year 3 = Extended Maintenance), 3 yr SW Maintenance, 3 yr Customer Support, 2 yr Extended Warranty.	\$4,530.00
756941	Surfaces and Volumes (protected option)	\$1,200.00	Leica Office Software		
759783	Leica FlexLine Instrument CD	\$25.00	742082	Leica Geo Office Software on CD-ROM	\$25.00
742082	Leica Geo Office Software on CD-ROM	\$25.00	734711	Leica Geo Office Software License, including LGO on CD-ROM	\$500.00
734711	Leica Geo Office Software License, including LGO on CD-ROM	\$500.00	Compact Flash Cards		
639949	PCMCIA-SRAM memory card, 2 MB (approx. 8'000 data blocks), for TPS1000/2000.	\$590.00	733256	MCF32, Compact Flash Card, 32MB	\$100.00
733256	MCF32, Compact Flash Card, 32MB	\$100.00	734275	MCF64 Compact Flash card 64MB	\$200.00
734275	MCF64 Compact Flash card 64MB	\$200.00	733257	MCF256, Compact Flash Card, 256MB	\$200.00
733257	MCF256, Compact Flash Card, 256MB	\$200.00	745995	MCF1000 Compact Flash card 1GB	\$500.00
745995	MCF1000 Compact Flash card 1GB	\$500.00	733258	MCFAD1, Compact Flash PC Card adapter	\$40.00
733258	MCFAD1, Compact Flash PC Card adapter	\$40.00	Card Reader / Adaptors		
733259	MCR5, Card Reader for Compact Flash Card	\$540.00	733258	MCFAD1, Compact Flash PC Card adapter	\$40.00
733258	MCFAD1, Compact Flash PC Card adapter	\$40.00			



## New Line-Up of Nikon Total Stations

Nikon has been manufacturing high-quality surveying instruments for over half a century. Nikon total stations and pulse laser stations make it possible to integrate all work phases into one smooth flow, from distance and angle measurements to complete data output, storage and processing. Nikon has also developed a full line of advanced individual instruments such as electronic theodolites, and automatic levels to provide new precision in surveying.



## THE EVOLUTION SERIES CST-225N Total Station

Reflectorless up to 295 ft., Laser Plummet, dedicated Number Keys, Alpha key input, IPX6 waterproof, Visible Laser Dot, Manual focusing, Automatic temperature and pressure sensors, Dual axis compensators, dual reading of both circles and absolute encoders. The 6,000 point data memory can store stake out coordinates and/or collected data in any mix.

### Nikon NPL/NPR Non Prism Total Stations

NPR-332	5" DIN (1"/5" Reading) Prism Model, 1 Battery, 1 Display	\$7495.00
NPR-352	5" DIN (1"/5" Reading) Prism Model, 1 Battery, 2 Display	\$8495.00
NPR-362	3" DIN (1"/5" Reading) Prism Model, 1 Battery, 2 Display	\$9295.00
NPL-522	3" DIN (1"/5" Reading) Prism Model, 1 Battery, 2 Display	\$9495.00
NPL-632	2" DIN (1"/5" Reading) Prism Model, 1 Battery, 2 Display, 128Mb CF Card	\$10995.00

### DTM Series Total Station

DTM-332	5" DIN (1"/5" Reading) Prism Model, 1 Battery, 1 Display	\$6495.00
DTM-352	5" DIN (1"/5" Reading) Prism Model, 1 Battery, 2 Display	\$7495.00
DTM-362	3" DIN (1"/5" Reading) Prism Model, 1 Battery, 2 Display	\$8295.00
DTM-522	3" DIN (1"/5" Reading) Prism Model, 1 Battery, 2 Display	\$8495.00
DTM-652	1" DIN (1"/5" Reading) Prism Model, 1 Battery, 2 Display, 128Mb CF Card	\$12995.00

### Nikon Software

HXA20657	CF Memory Card (128MB)	\$120.00
PCS-CONNEX	Transit Data Transfer and Conversion Software for Windows	\$199.00
HQH06100	On-Board Ni-MH Battery Type BC-65 For DTM-302 Series, NPL-302 Series, NPR-302 Series, NPL-350 and DTM-350/330	\$322.00
HQH90000	Clip-on Ni-MH Battery Type BC-80 For NPL-821, DTM-801 Series, DTM-502/501/500 Series, and DTM/NPL-602	\$625.00
148SCNTG	RS-232C Cable from Nikon to PC	\$70.00
HXA20584	Reflector-Sheet 10mm, Adhesive, 300 pcs.	\$62.12
HXA20585	Reflector-Sheet 20mm, Adhesive, 78 pcs.	\$62.12
HXA20586	Reflector-Sheet 30mm, Adhesive, 32 pcs.	\$62.12
HXA20587	Reflector-Sheet 50mm, Adhesive, 50mm/ea. x 10 pcs. 20mm/ea. x 13 pcs.	\$62.12
HXA20588	Reflector-Sheet 100mm, Adhesive 100mm/ea. x 2 pcs. 50mm/ea. x 2 pcs. 20mm/ea. x 13 pcs.	\$57.05

### CST 202/205 and 302R/305R Total Station

- Superior Optics (30X magnification)
- Easy-to-target collimator
- Large dual-sided graphic display & alphanumeric keyboard
- Alpha/Numeric key pad
- Data upload and data-transfer through RS-232 data port



**New** 300 series has USB and RS232 PC interface and SD Card Memory, 200m Reflectorless, Many on-board programs

*Call for your Low Price*

### Technical Specifications

Magnification: 30X  
Field of View: 1°30'  
Angular Accuracy: 2"/5"  
Battery Type: Ni-MH  
Compensator Type: Single Axis 202/205 Dual Axis 302/305  
Display: Graphic LCD, alphanumeric, 8 lines of 20 characters  
EDM Accuracy (prism/sheet): ± (2mm+2ppm x d) mm  
Meas. Range (single prism): ±5249 ft (1600m) 10000 ft 302/305  
Meas. Range (triple prism): ±8202 ft (2500m) 16404 ft 302/305  
On-board data collection (memory): 15,000 points (Measured and input coordinate data) SD Card for 300 series nearly unlimited.

56-CST202	Total Station, 2-Sec.	\$7912.00
56-CST205	Total Station, 5-Sec.	\$6041.00
56-CST302R	200m Reflectorless, 2-Sec.	\$8814.00
56-CST305R	200m Reflectorless, 5-Sec.	\$7384.00
56-CST-225N	Pentax 5 Sec. Prismless Model, 1 Display, Manual Focus	\$9672.00
R-323NX	Pentax 3 Sec. Prismless Model, Tribrach base, 1 Display	\$14508.00

### Accessories for Pentax Total Stations

SB-08	S53075, NiMH Battery for 300 series	\$75.00
MPC-75	S54075, Charger for 300 series	\$100.00
148CPENT	Data Cable, 9 Pin to Instrument	\$70.00
TA04	S50230, 2nd Keyboard for R300	\$450.00
SB12	S50319, Right Angle Eyepiece	\$395.00





## South Total Stations

Measuring Range (without prism): 300m  
 Accuracy: 5+3ppm  
 Measuring Range(1p): 4000m  
 Accuracy: 2+2ppm  
 Angle Measuring Accuracy: 2"/5"  
 Absolute Encoders  
 USB Data Transfer  
 Large Color Touch Screen, With Windows Operating System, 32Bit CPU, 64Mb Storage  
 Using Windows CE.NET 4.2 Operating system, easy and convenient to use. 3.5 inches extremely large LCD display of 240x320dpi, shows a large amount of information at a time, Windows operating system makes the measuring operation easy and clear.



NTS-962R	WinCe OS, Reflectorless 300M, 2" 2+2ppm	\$7715.00
NTS-965R	WinCe OS, Reflectorless 300M, 5" 2+2ppm	\$7230.00

Large Screen, Graphic Display  
 Icons menu, High-density 8-line LCD  
 Easy and convenient to use  
 32-bit CPU for high speed operation  
 2MB space for programs storage  
 16MB space for data storage  
 Absolute Encoding  
 Dual Axis Compensation



NTS-662R	Reflectorless 2" 2+2ppm	\$5200.00
NTS-665R	Reflectorless 5" 2+2ppm	\$4950.00

Measuring range without prism: 200m  
 Accuracy: 5+3ppm  
 Measuring range with prism: 5000m  
 Accuracy: 2+2ppm  
 Incremental Dual Encoder



























NTS-362R	with SD card, Reflectorless 300m 2" 2+2ppm with prism	\$4800.00
NTS-365R	with SD card, Reflectorless 300m 2" 2+2ppm with prism	\$4320.00
NTS-352R	Reflectorless 2" 2+2ppm	\$3590.00
NTS-355R	Reflectorless 5" 2+2ppm	\$3350.00
NTS-352	2" 2+2ppm	\$3299.00
NTS-355	5" 2+2ppm	\$3199.00

		NTS-322	NTS-325
Measuring Range fair weather	1 P	1.8KM	1.6KM
	3 P	2.6KM	2.3KM
Accuracy		2" 3+2PPM	5" 3+2PPM
Measurement Method		Horizontal: Dual Vertical: Dual	
Display		Double Side	Double Side





NTS-322	2" 2+2ppm	\$3199.00
NTS-325	5" 2+2ppm	\$2995.00

CE-203U	Cable (RS-232 -- USB)	\$66.00
CE-203	Cable (RS-232 -- 9 PIN PORT)	\$66.00
NB-20A	Recharge Battery Prism Models	\$83.00
NB-20B	Recharge Battery for Refelctorless	\$83.00
NC-20	Charger	\$83.00
NF-10	Filter	\$130.00
NE-20	Diagonal Eyepiece	\$142.00
AX02	Total station Box 46x26x36cm	\$82.00


 TK10 64mm prism \$119	 TK11SET 64mm prism Topcon style \$99	 TK17SET 64mm prism Pentax style \$119
 TK19SET 64mm prism Plastic target \$119	 TK20SET 64mm prism set \$119	 TK21SET 5" 64mm prism set \$99
 CPH1SET 65mm prism, Leica Style \$139	 TK30SET 64mm triple prism \$259	 TPS30 64mm triple prism system \$299
 TPS10 64mm prism system \$229	 TPS11 64mm prism system \$219	 TPS17 64mm prism system \$239
 TPS19 64mm prism system \$239	 TPS20 64mm prism system \$239	 TPS21 64mm prism system \$219
 TPS15 65mm triple prism system \$269	 TPS16A 65mm triple prism system (Leica) \$269	 TPS35 65mm triple prism system \$359
 NPSMini101 \$72	 NPSmini107 360 mini Prism system \$549	 NPS360 360 prism Leica style \$549
 TPSMini105B \$102	 NPSMini103 \$98	 NPSMini112A/B \$99




## RECON

	<b>RECON 400NX</b> 64/128MB RE5-SY4CEN	<b>RECON 400X</b> 64/256MB Bluetooth RE5-SY4CEB	<b>Recon Accessories</b>	
			<b>Data Collector Bundle</b> includes Tripod Bracket, Instrument Cable, ForeSight DXM and Survey Pro Reference Manual <b>Recon REC-BTRIPODACCESS Nomad EGL-Z5003 Ranger ST1-Z5001 \$450.00</b>	
			<b>Data Collector Bundle</b> includes Pole Bracket, Instrument Cable, ForeSight DXM and Survey Pro Reference Manual <b>Recon REC-BPOLEACCESS Nomad EGL-Z5005 Ranger ST1-Z5002 \$550.00</b>	
				REC-AEC1001-01 Extended CF-Cap™ (for GPS card) \$89.95
				REC-ACARRYCASE Deluxe vinyl carry case w/belt clip & neck strap \$40.00
				REC-F-2021-01 Deluxe Case for Extended CF-Cap \$40.00
				704-0008-01Q Screen protectors – Ultra-Clear (pack of 2) \$8.00
				704-0008-02Q Screen protectors – Anti-Glare (pack of 2) \$8.00
		REC-AAVCHR12VCBL Recon vehicle charging cable \$35.00		
SB - GPS Basic	\$1,599.00	\$1,799.00	REC-AN1POWERSUP North American AC charger \$20.00	
SS - Survey Standard	\$1,599.00	\$1,799.00	REC-Z2008 Tripod bracket \$50.00	
SP - Survey Pro	\$1,999.00	\$2,199.00	REC-Z2002 Pole bracket \$155.00	
SR - Survey Pro Robotics	\$2,799.00	\$2,999.00	REC-APOWERBOOT PowerBoot Rechargeable battery \$95.00	
SG - Survey Pro GPS	\$2,799.00	\$2,999.00	REC-APWRAABOOT Recon AA PowerBoot \$89.95	
SM - Survey Pro Max GPS/Robot	\$3,299.00	\$3,499.00	REC-804-0001 Holux GM-271 CF GPS card (WAAS enabled) \$199.00	

## NOMAD

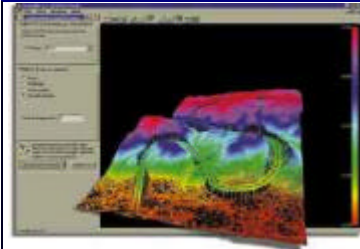
	<b>NOMAD 800B</b> Bluetooth 512 MB EGL- SYN3GEB	<b>NOMAD 800LD</b> Bluetooth, WiFi, and GPS 1 GB EBL- SYN3HED	<b>NOMAD 800LC</b> Bluetooth, WiFi, GPS 2 Mega Pixel Camera. ECL-SYN3HED	<b>NOMAD 800X</b> Bluetooth, WiFi, GPS, WWAN, AT&T Cell Modem ECL-SYN3JAF	<b>Nomad Accessories</b>	
					RGR-A-CNULLCAT Serial interface cable \$15.00	
					EGL-Z2001 USB data cable \$15.00	
					ST1-Z2003 12V vehicle charger \$149.00	
					ST1-Z2001 AC charger \$59.00	
					EGL-Z1006 Rechargeable lithium-ion on battery module \$95.00	
					EGL-Z1001 AA Battery Module \$90.00	
					EGL-Z2012 Spare battery charger (spare battery & req. AC charger not incl.) \$50.00	
SB - GPS Basic	\$1,999.00	\$2,199.00	\$2,399.00	\$2,699.00	EGL-Z2002 Standard nylon carry case (yellow) \$25.00	
SS - Survey Standard	\$1,999.00	\$2,199.00	\$2,399.00	\$2,699.00	EGL-Z2004 Nylon carry case for Extended CF-Cap (yellow) \$25.00	
SP - Survey Pro	\$2,399.00	\$2,599.00	\$2,799.00	\$3,099.00	EGL-Z2006 Deluxe case with belt clip and shoulder strap (gray) \$40.00	
SR - Survey Pro Robotics	\$3,199.00	\$3,399.00	\$3,599.00	\$3,899.00	ST1-Z2005 Stylus pen lanyard \$8.00	
SG - Survey Pro GPS	\$3,199.00	\$3,399.00	\$3,599.00	\$3,899.00	EGL-Z2013 Stylus pen \$20.00	
SM - Survey Pro Max GPS/Robot	\$3,699.00	\$3,899.00	\$4,099.00	\$4,399.00	EGL-Z1007 Hand strap \$12.00	
					EGL-Z1002 Screen protectors, ultra-clear (package of 2) \$8.00	
					EGL-Z1003 Screen protectors, anti-glare (package of 2) \$8.00	
					EGL-Z2008 Tripod bracket \$50.00	
					EGL-Z2009 Range pole bracket \$155.00	
					EGL-Z2011 Nomad tripod hook \$19.95	
					EGL-Z2007 Vehicle mount \$47.00	

## RANGER

	<b>RANGER 300NX</b> 64/128MB ST2- SY3BMXA	<b>RANGER 300X</b> Bluetooth 64/256MB ST2- SY3CMBB	<b>RANGER 500X</b> Bluetooth 128/512MB ST2-SY5GMDB	<b>RANGER 500X</b> 802.11b Bluetooth 128/512MB ST2-SY5GMDB	<b>Ranger 300X/500X Accessories</b>	
					ST1-Z1001 PowerBoot Module \$249.00	
					ST1-Z1002 Standard CF-Cap \$29.00	
					ST1-Z1003 Midsize CF-Cap \$59.00	
					ST1-Z1004 Extended CF-Cap (includes optical window) \$99.00	
					ST1-Z1005 Hand strap \$12.00	
					702-0001-01Q Ranger X tripod hook \$19.95	
					704-0007-01Q Screen protectors – Ultra-Clear (pack of 2) \$8.00	
SB - GPS Basic	\$2,249.00	\$2,899.00	\$3,399.00	\$3,549.00	704-0007-02Q Screen protectors – Anti-Glare (pack of 2) \$8.00	
SS - Survey Standard	\$2,249.00	\$2,899.00	\$3,399.00	\$3,549.00	REC-AUSCBL USB data cable \$15.00	
SP - Survey Pro	\$2,649.00	\$3,299.00	\$3,799.00	\$3,949.00	RGR-CNULLCAT Serial interface cable \$15.00	
SR - Survey Pro Robotics	\$3,449.00	\$4,099.00	\$4,599.00	\$4,749.00	ST1-Z2001 AC charger \$59.00	
SG - Survey Pro GPS	\$3,449.00	\$4,099.00	\$4,599.00	\$4,749.00	ST1-Z2002 Stylus pens (2-pack) \$6.00	
SM - Survey Pro Max GPS/Robot	\$3,949.00	\$4,599.00	\$5,099.00	\$5,249.00	ST1-Z2003 12V vehicle charger \$149.00	
					ST1-Z2004 Nylon carry case (small cap) \$30.00	
					ST1-Z2005 Stylus lanyard \$8.00	
					ST1-Z2006 Tripod bracket \$75.00	
					ST1-Z2007 Range pole bracket \$155.00	
					ST1-Z2008 Nylon carry case (midsize/extended cap) \$30.00	
					ST1-Z2011 Card pull tabs \$2.00	
SG - SP GPS & PDLRXO 430-450 or 450-470 Mhz	\$5,398.00	\$5,898.00	\$6,048.00			
SM - SP MAX & PDLRXO 430-450 or 450-470 Mhz	\$5,898.00	\$6,398.00	\$6,548.00			

### 9 Pin Instrument Cables:

Geodimeter Dual Port, Geodimeter, Nikon, Pentax, Sokkia/Topcon, Wild/Leica, Zeiss/Trimble  
**\$70.00**  
 Serial Cable 9pin to 9pin \$15.00



## TDS PC Software

Software includes USB Lock

### Data Transfer for Nikon Total Stations

PCS-CONNEX	Connex Data Transfer and Conversion	\$199.00
------------	-------------------------------------	----------

### Data Management & Exchange

PCS-DXM1001	ForeSight DXM	\$399.00
PCS-DXM1002	ForeSight DXM w/Basic Adjustments	\$448.00

### Surveying Software - Complete Systems

PCS-FS1001	ForeSight COGO & Drafting	\$999.00
PCS-FS1002	ForeSight COGO & Drafting w/DTM & Contour	\$1398.00
PCS-FS1003	ForeSight COGO & Drafting w/DTM & Contour, and Road Layout	\$1797.00
PCS-FS1006	ForeSight COGO & Drafting w/DTM & Contour, Road Layout, Least Squares Adjustments and ForeSight DXM w Basic Adjustments	\$2344.00

### Surveying Software - Separate Modules

PCS-DXM1001 ONLY	ForeSight DXM	\$399.00
PCS-DXM1002 ONLY	Basic Adjustments for ForSight DXM	\$149.00
PCS-FS1002 ONLY	Contouring & DTM Earthwork for ForeSight	\$499.00
PCS-FS1003 ONLY	Road Layout Manual for ForeSight-Road Module Requires DTM Module	\$499.00
PCS-FS1003 ONLY	Least Squares Adjustment for ForeSight	\$299.00



### Ultra Scale Master Pro with Smart Takeoff Software

Complete area takeoff tool and graphic digitizing system with software

6270	USMP with Smart Takeoff!	\$349.95
6260	Ultra Scale Master Pro	\$229.95
6230	Smart Takeoff! for USMP	\$199.95



### Scale Master II PC Combo Kit

Advanced Digital Plan Measure with PC Interface

72 Built-In Scales

6325	Scale Master II PC Combo Kit	\$149.95
6130	Scale Master II	\$99.95
6215	Scale Master II PC Interface	\$79.95
6020	Scale Master Classic	\$69.95

### Calculators

	4065 - SRL	Construction Master Pro with Free Swanson Torpedo Level. Our most advanced full featured construction-math calculator	\$79.95
	4080	Construction Master Pro Trig. Advanced Construction-Math Calculator w/ Full Trigonometric Functions	\$89.95
	44080	Construction Master Pro-Desktop. All the features of the Construction Master Pro plus trig functions	\$89.95
	4050	Construction Master 5. Save time and money with this construction math calculator	\$69.95
	4019	Material Estimator. Quickly calculate materials and costs with powerful built-in solutions	\$39.95
	4054	Construction Master 5 En Espanol. ¡La calculadora de construcción para comerciantes que hablan español!	\$49.95
	4065 - 2140	Construction Master Pro with Workbook. Advanced construction-math calculator plus Workbook and Study Guide	\$89.95
	2140	Construction Master Pro Workbook and Study Guide. Workbook and Study Guide for the advanced construction-math calculator	\$19.95
	5065	ElectriCalc Pro. The ElectriCalc Pro is the world's most complete electrical calculator	\$99.95
	4225	ConcreteCalc Pro. Improve design accuracy, reduce material waste and cut estimating time	\$69.95
	4325	HeavyCalc Pro. The only calculator designed specifically for heavy construction pros	\$69.95
	8025	Ultra Measure Master. The most complete & easy-to-use metric conversion calculator!	\$49.95
	4020	Measure Master Pro. Feet-Inch-Fraction and Metric Dimensional Calculator	\$39.95
	4108	Construction Master for Windows v3.0. Add the power of advanced construction math to your PC	\$39.95
	4110	Construction Master for Pocket PC. Add the power of advanced construction math to your Pocket PC	\$59.95



SurvCE 2.xx	No Software Replacement Must have SurvCE Lic.	SurvCE Basic (TS Only) \$995.00	SurvCE Robotic (Requires Basic add \$500.00	SurvCE GPS (Requires Basic) add \$1000.00	SurvCE Advanced Roading (Requires Basic) add \$500.00	C&G Field Plus Basic \$995.00	C&G Field Plus RTS add \$500.00	C&G Field Plus GPS add \$500.00

Carlson Mini w/o BT  
520 MHz 64/256 MB \$1495.00 \$1995.00

Carlson Mini with BT  
520 MHz 64/256 MB \$1605.00 \$2195.00

Carlson Mini w/ BT -  
64/512 MB - 520 MHz \$1795.00 \$2695.00



### MINI

Less than 4 1/2 by 7 inches;  
Runs on **Windows® Mobile 5**;  
Lightning-quick processing and wireless connectivity;  
Fits comfortably in one hand, weighs just over a pound;  
Comes complete with **Carlson SurvCE 2.0**, the most powerful data collection software on the market today.  
**MIL-STD-810F-rated** for water, humidity, sand and dust, vibration, altitude, shock, high temperature, low temperature, and temperature shock. Also, **IP-67 Ingress** rated.  
Featuring a touch screen and a high contrast color display;

Carlson Surveyor  
520Mhz, 64MB RAM  
512MB Storage,  
Bluetooth, Battery  
Charger, Stylus, Screen  
Protector \$2695.00 \$3195.00

Carlson Surveyor Plus  
624Mhz, 128MB RAM  
1GB Storage,  
Bluetooth, WiFi,  
microSD, Battery  
Charger, Stylus, Screen  
Protector \$2995.00 \$3695.00

Carlson Surveyor Plus  
International model  
624Mhz, 128MB RAM,  
1GB Storage,  
Bluetooth, WiFi,  
microSD with  
International Battery  
Charger, Stylus, Screen  
Protector \$2995.00 \$3695.00

### SURVEYOR



**The speed you need...  
The reliability you deserve**

**COMPLETELY RUGGEDIZED**  
IP67 water & dust resistant; magnesium housing – a full metal jacket!

**MORE MEMORY**  
Up to 1 gigabyte with option to expand  
**COMPACT/CONVENIENT CONNECTIONS**  
2 styles of USB connections located on top for convenience



**EASY TO HOLD/CONTROL**  
Just 2 pounds! Keys' size & location optimized for precise handling

**BACK LIT CONTROL KEYS**  
Easily see when quick command keys are activated

**LONGER BATTERY LIFE**  
8-10 hours standard with option to add second battery

#### Carlson Surveyor Accessories

6100.000	Hard Case	\$35.00	6100.004	Cig Power Adapter	\$15.00
6100.001	Charger USA	\$35.00	6100.005	Li Ion Battery	\$80.00
6100.002	Charger Int'l	\$55.00	6100.006	USB Cable	\$15.00
6100.003	Charger Spare Batt.	\$115.00	6100.007	Stylus Pen	\$3.00
			6100.008	Screen Protectors(2)	\$19.00

**Carlson**

**Explorer**

### EXPLORER

SurvCE GIS \$795.00 TS \$995.00 SurvCE RTS \$1,495.00 SurvCE GPS \$1,495.00 SurvCE COMP \$1,995.00 Add Adv. Roads

Explorer, 64/128 Mb \$1,495.00	\$2,290.00	\$1,795.00	\$2,295.00	\$2,295.00	\$3,490.00	\$500.00
ExplorerII, 64/256 Mb \$1,995.00	\$2,790.00	\$2,295.00	\$2,795.00	\$2,795.00	\$3,295.00	\$500.00
ExplorerII Bluetooth, 64/256 Mb \$2,395.00	\$3,190.00	\$2,695.00	\$3,195.00	\$3,195.00	\$3,695.00	\$500.00
Explorer 600+, 128/512 Mb Bluetooth & WiFi \$2,595.00	\$3,390.00	\$2,995.00	\$3,495.00	\$3,495.00	\$3,995.00	\$500.00

#### Carlson Explorer Accessories

6100.001	Explorer Bat 1500mah	\$75.00	6100.007	Null Modem Cable	\$70.00
6100.002	Explorer Vehicle Chgr	\$70.00	6100.008	Explorer 600+ Charge Kit	\$40.00
6100.003	Explorer Bag	\$40.00	6100.010	Screen Protectors 5 pack	\$135.95
6100.004	Data Max Bracket	\$135.95	6100.014	Explorer Wall Charger	\$135.95
6100.005	Explorer Enviro Case	\$75.00	6100.433	Exploerer Bat 2500mah	\$135.95
			6100.436	Styli - Pack of 3	\$8.00



## CARLSON SURVEY 2009

**Built on AutoCAD:** Runs in AutoCAD® versions 2009 to 2000 as well as AutoCAD® Map, Land Desktop and Civil3D and on [IntelliCAD](#) 6.4.

**Project Setup:** Flexible data storage methods

**Drawing Cleanup:** Fix common drafting errors

- **Drafting Enhancements:** Handy tools for working in AutoCAD® such as Join Nearest, Shrinkwrap Entities, Polyline Utilities, Drawing Inspector, Layer Inspector and Twist Screen
- **Data Compatibility:** Supports industry standard LandXML and scores of specific data conversions



## CARLSON CIVIL SUITE 2009

This powerful bundle is made up of: Carlson Survey 2009, Carlson Civil 2009, Carlson Hydrology 2009 and Carlson GIS 2009. These four civil-related modular programs, working together, create **the ultimate civil package** that we guarantee will help you do more, do it better and in less time.

Embedded AutoCAD		
1000.053.000	Carlson Survey 2009	\$2,995.00
1000.057.000	Network Carlson Survey 2009	\$3,295.00
IntelliCAD incl. or AutoCAD/Map 2000-09 (sold separately)		
2009.005.000	Carlson Survey 2009	\$1,500.00
2009.054.000	Network Carlson Survey 2009	\$1,650.00

IntelliCAD included or AutoCAD/Map 2000-09 (sold separately)		
2009.001.000	Carlson Civil Suite 2009 (Civil, Survey, Hydrology, GIS)	\$3,500.00
2009.002.000	Carlson Civil 2009	\$1,500.00
2009.003.000	Carlson Hydrology 2009	\$1,250.00
2009.004.000	Carlson GIS 2009	\$1,000.00
2009.005.000	Carlson Survey 2009	\$1,500.00
2009.050.000	Network Carlson Civil Suite 2009 (Civil, Survey, Hydro, GIS)	\$3,850.00
2009.051.000	Network Carlson Civil 2009	\$1,650.00
2009.052.000	Network Carlson Hydrology 2009	\$1,375.00
2009.053.000	Network Carlson GIS 2009	\$1,100.00
2009.054.000	Network Carlson Survey 2009	\$1,650.00



## CARLSON TAKEOFF 2009

Save Time, Save Money

- Use Takeoff for Accurate Estimate
- Calculate site cut & fill and topsoil
- Differentiate strata volumes – rock vs. dirt
- Accurately determine asphalt quantity needed in a variety of measurement units
- Get precise curb work calculations
- Estimate trenching quantities
- Design roadways

### Use Takeoff Once You Get the Bid

- Analyze existing TOPO before you start
- Prepare the design info for exact staking
- Create a 3D model for machine control
- Evaluate for quantity and quality control
- Report volumes as you build

Stand Alone		
1000.302.000	Carlson TakeOff 2.0 Stand-Alone	\$9,000.00
1000.305.000	Carlson TakeOff 2.0 Additional Seat Stand-Alone	\$7,200.00
1000.307.000	Network Carlson TakeOff 2.0	\$9,900.00
1000.308.000	Network Carlson TakeOff 2.0 Additional Seat	\$7,920.00
IntelliCAD incl. or AutoCAD/Map 2000-09 (sold separately)		
2009.009.000	Carlson Takeoff 2009	\$9,000.00
2009.010.000	Carlson Takeoff 2009-Additional Seat	\$7,200.00
2009.058.000	Network Carlson Takeoff 2009	\$9,900.00

## CARLSON OTHER SOFTWARE



1000.400.000	Carlson Software Investigation (CSI) 4.0 Embedded ACAD	\$2,495.00
1000.402.000	Carlson Software Investigation (CSI) 4.0 upgrade	\$695.00
1000.410.000	Carlson AgStar	\$2,995.00
1000.431.000	Carlson Site Manager Embedded ACAD	\$2,495.00
1100.004.000	C&G Survey 8.0 Embedded ACAD	\$2,995.00
1100.011.000	CG-Survey 9.0 Stand Alone Embedded ACAD	\$2,995.00
1100.012.000	CG-Survey 9.0 Upg. from 8.0	\$395.00
1100.013.000	CG-Survey 9.0 Upg. from 7.0	\$895.00
1100.014.000	CG-Survey 9.0 Upg. from 6.0	\$1,295.00
1100.017.000	C & G Cross grade to Carlson Survey 2009(2009.005) All Versions	\$395.00
5000.025.000	Simplicity Sight Survey 2009 single license	\$995.00
5000.026.000	Simplicity Sight Survey 2009 Upgrade single license	\$795.00
2009.006.000	Carlson Natural Regrade 2009	\$5,000.00
2009.007.000	Carlson Pointclouds 2009	\$5,000.00
2009.008.000	Carlson Field 2009	\$3,000.00
2009.055.000	Network Carlson Natural Regrade 2009	\$5,500.00
2009.056.000	Network Carlson Pointclouds 2009	\$5,500.00
2009.057.000	Network Carlson Field 2009	\$3,300.00
2009.063.000	Network Hydra Engine 2009	\$550.00



# Absolute Accuracy - THEODOLITES

www.absolac.com (323) 662-9237 or (800) 821-9656



Call for your low Quote

## SOUTH

SOUTH SURVEYING & MAPPING INSTRUMENT CO., LTD.

**South Electronic Theodolites**  
with Absolute Encoder, Rechargeable Battery

ET-02	2 Second, Dual Display	\$1199.00
ET-05	5 Second, Dual Display	\$935.00
ET-20	20 Second,	\$790.00
ET-05L	5 Second, Laser Pointer Dual Display	\$1599.00
NP-10	AA Battery Case	\$10.00
NE-10	Diagonal Eyepiece	\$142.00
NF-10	Filter	\$130.00
NB-10	Recharge Battery	\$66.00
NC-10	Charger	\$83.00
AX01	Case	\$73.00



**Nikon Digital Theodolites**

NIKON-NE-103	NE-203 (5"/10" display) DIN 5", waterproof, compensator	\$4495.00
NIKON-NE-102	NE-102 (5"/10" display), DIN 5", waterproof	\$4095.00
NIKON-NE-101	NE-101 (5"/10" display), DIN 7", waterproof	\$2395.00
NIKON-NE-100	NE-100 (5"/10" display), DIN 10"	\$2195.00



**Topcon Digital Theodolites**

DT-205	5" (1"/5" 2 display) compensator	\$4190.00
DT-207	7" (5"/10" 2 display)	\$3490.00
DT-209	9" (10"/20" 1 display)	\$2590.00
DT-205L	5" (1"/5" 2 disp) compensator, Laser pointer	\$4990.00
DT-207L	7" (5"/10" 2 display) Laser pointer	\$4190.00
DT-209L	9" (10"/20" 1 display) Laser pointer	\$3390.00



**Leica Builder Theodolites**

Dual Compensator, Absolute Encoder, Laser Plummet

Call for Custom Quote

747827	T100 9" DIN Alkaline Batteries	\$2995.00
747828	T200 6" DIN , Alkaline Batteries	\$3395.00
747829	R100 9" DIN EDM with Reflector and Pole, Alkaline Batteries	\$5495.00
747830	R200 6" DIN EDM with Reflector and Pole, Alkaline Batteries	\$5995.00
747831	R100M 9" DIN EDM, Memory with Reflector and Pole, Alkaline Batteries	\$6495.00
747832	R200M 6" DIN EDM, Memory with Reflector and Pole, Alkaline Batteries	\$7095.00
762107	R100M Power 9" DIN Reflectorless EDM, Memory with Reflector and Pole, Rechargeable Batteries	\$6995.00
762108	R200M Power 6" DIN Reflectorless EDM, Memory with Reflector and Pole, Rechargeable Batteries	\$7995.00
762109	R300M Power 3" DIN Reflectorless EDM Memory with Reflector and Pole, Rechargeable Batteries	\$8995.00



**CST/berger**

**CST Electronic Theodolites**

56-DGT2	2 sec. dual display,	\$1,864.00
56-BDT30	5 sec. dual display.	\$1,424.00



**David White**

**David White Transit/Levels**

DWT-10	Electronic Transit, 10", dual display	\$1424.50
LT-8300P	5 min. angle reading with Optical Plummet	\$1228.50
LT-8300	5 min. angle reading	\$1042.50



**CST/berger**

**Berger Level Transits**

54-140B	20X transit/level	\$388.70
54-200B	22X with 5 min horizontal and vertical circle	\$507.30



# Absolute Accuracy - AUTOLEVELS

www.absolac.com (323) 662-9237 or (800) 821-9656



PENTAX AFL-Series	
AFL320 32X	\$1850.00
AFL280 28X	\$1240.00
AFL240 24X	\$990.00



LEICA Autolevels	
JOGGER 20 20X	\$249.00
JOGGER 24 24X	\$299.00
RUNNER 20 20X	\$299.00
RUNNER 24 24X	\$349.00
NA720 20X	\$495.00
NA724 24X	\$695.00
NA728 28X	\$895.00
NA730 30X	\$995.00
NA2 32X	\$2195.00
NAK2 32X	\$2315.00



SETL Autolevels	
AL-20 20X Magnification	\$175.00
AL-24 24X Magnification	\$205.00
AL-28 28X Magnification	\$225.00
AL-32 32X Magnification	\$250.00

Make Any Autolevel  
On This Page a Complete Package

**Aluminum Heavy Duty Quick Clamp Tripod and 9 Foot Level Rod Of Your Choice \$99.00**

Accessories for NA2/NA2K (from s/n 210402)		
356121	GPM3 Optical Micrometer, range 10mm, graduation .1mm	\$1795.00
199899	Autocollimation eyepiece	\$840.00
734514	GFZ3 Diagonal eyepiece for telescope,	\$495.00
346475	Eyepiece FOK73, 40x,	\$350.00
394787	Plug-in lamp, with cable for Autocollimation eyepiece	\$170.00
394792	Battery box GEB63 for autocollimation eyepiece and eyepiece lamp	\$360.00



TOPCON Autolevels	
ATG1 32X	\$2190.00
ATG2a 32X	\$1940.00
ATG2 32X	\$1610.00
ATG3 30X	\$1290.00
ATG4 26X	\$595.00
ATG6 24X	\$395.00



**LEICA Sprinter Digital Levels**  
All packages include rechargeable batteries, sun shade, 16ft or 5m barcode staff, manual and case

6002128	Sprinter50 2.0mm Accuracy	\$995.00
6002131	Sprinter 150 1.5mm Accuracy	\$1195.00
6002134	Sprinter 150M 1.5mm Accuracy w/memory	\$1495.00
6002137	Sprinter 250M 1.0mm Accuracy w/memory	\$1895.00



NIKON Autolevels	
NIKON-AS-2-360 34X	\$1830.00
NIKON-AS-2 34X	\$1550.00
NIKON-AE-7-360 30X	\$1400.00
NIKON-AE-7 30X	\$1250.00
NIKON-AP-8-360 28X	\$705.00
NIKON-AC-2S-360 24X	\$465.00
NIKON_AX-2S-360 20X	\$335.00



**Hand Level CST**  
Model 17-600EE  
1 Power  
With Case.  
List \$69.00



**Kuker Ranken**  
w/leather case  
572 S 5-7" 2X  
\$124.00



### Tripods

- Heavy Duty Alum. Quick Clamp \$139.00**
- Economy Alum. Quick Clamp \$109.00**
- CST Wood Twist Clamp \$199.30**
- CST Wood/Fiberglass Quick Clamp \$210.95**
- CST Dome Head Aluminum \$142.00**
- Dutch Hill All Fiberglass \$419.00**
- New Crain Trimax Super Heavy-Duty \$407.00**

### Level Rods

- 8ft. Fiberglass CR-08I inch / CR-08T\_10ths \$52.50**
- 8ft. Aluminum 06-808C inch / 06-808A 10ths \$46.20**
- 10ft. 7502-20 Seco Direct Elev. rod 10ths \$199.00**
- 13ft. Fiberglass CR-13I inch / CR-13T 10ths \$74.25**
- 13ft. Aluminum 06-813C inch / 06-813 10ths \$64.90**
- 16ft. Fiberglass CR-16I inch / CR-16T 10ths \$93.25**
- 16ft. Aluminum 06-816C inch / 06-816 10ths \$71.50**
- 25ft. F.glass USL-25I inch USL-25T 10ths / USL-7.6M cm \$225.00**





**Leica**  
Geosystems

## Rugby 50 GC Packages

6000731	Rod-Eye Pro, Alkaline	1020.00
6000732	Rod-Eye Pro, Re-chargeable	1135.00
6000733	Rod-Eye Classic, Alkaline	945.00
6000734	Rod-Eye Classic, Re-chargeable	1060.00
6000735	Rod-Eye Mini, Alkaline	845.00
6000736	Rod-Eye Mini, Rechargeable	960.00



## Rugby 55 GC Packages (class IIIa)

6000737	Rod-Eye Pro, Alkaline	1320.00
6000738	Rod-Eye Pro, Re-chargeable	1435.00
6000739	Rod-Eye Classic, Alkaline	1245.00
6000740	Rod-Eye Classic, Re-chargeable	1360.00
6000741	Rod-Eye Mini, Alkaline	1145.00
6000742	Rod-Eye Mini, Re-chargeable	1260.00
6000743	Interior Package: Remote, target and wall mount Alkaline	1325.00
6000744	Interior Package: Remote, target and wall mount Rechargeable	1440.00



## Rugby 100 GC Packages

731558	Rod-Eye Pro, Alkaline	1300.00
731094	Rod-Eye Mini, Alkaline	1125.00
731559	Rod-Eye Pro, Re-chargeable	1445.00
732432	Rod-Eye Mini, Re-chargeable	1280.00
740563	Rod-Eye Classic, Alkaline	1225.00
740564	Rod-Eye Classic, Re-chargeable	1380.00

## Rugby 100LR GC Packages

733621	Rod-Eye Pro, Re-chargeable	1495.00
733622	Rod-Eye Mini, Re-chargeable	1650.00
740565	Rod-Eye Classic, Alkaline	1420.00
740566	Rod-Eye Classic, Re-chargeable	1575.00



## Rugby 200 Interior Packages (Class IIIa)

740234	Deluxe Case, w/o Remote, Alkaline	1700.00
740235	Deluxe Case, w/o Remote, Re-chargeable	1855.00
740236	Deluxe Case, w/ Remote, Alkaline	1895.00
740237	Deluxe Case, w/ Remote, Re-chargeable battery	2050.00

## Rugby 200 GC Packages (Class IIIa)

740238	Rod-Eye Pro, Alkaline	1845.00
740239	Rod-Eye Pro, Re-Chargeable battery	2000.00
740569	Rod-Eye Classic, Alkaline	1770.00
740570	Rod-Eye Classic, Re-Chargeable battery	1925.00
740240	Basic Package, Alkaline	1520.00
740331	Basic Package, Re-Chargeable	1675.00

## Accessories & Rod Eye Detectors

755008	IR Remote Control, Rugby 55	155.00
733073	Wallmount Bracket, Rugby 55, 200	95.00
732791	Ceiling Target Grid Rugby 55, 200	15.00
752049	NiMH Battery Pack, Rugby 50/55	75.00
727165	NiMH Charger, Rugby 50,55,100,120 110V	55.00
752048	Alkaline Battery Holder	15.00
758343	Batter-board clamp	165.00
723777	Laser Glasses	30.00
726746	NiMH Battery Pack, Rugby 100/200	150.00
726747	Alkaline Battery Housing, Rugby 100,200	50.00
731645	IR Remote Control, Rugby 200	195.00
732335	Laydown foot attachment, Rugby 200	25.00
733073	Wallmount Bracket, Rugby	95.00
733077	Combo Wallmount/Laydown Brkt Rugby 200	150.00
727160	Rod-Eye Pro w/o Bracket	285.00
727161	Bracket for Rod-Eye Pro	40.00
727162	Bracket w/ Level Vial for Rod-Eye Pro	55.00
727163	Rod-Eye Pro w/ Bracket	325.00
727164	Rod-Eye Pro w/ Bracket & Level Vial	340.00
730463	Sensor, Rod-Eye Mini w/ Bracket	150.00
730465	Rod-Eye Mini bracket	20.00
739575	Rod-Eye Classic, Sensor w/ bracket	250.00
730467	Vial Kit, Rod-Eye Pro/Classic Bracket	15.00
737983	Universal Bracket RE	40.00
739575	Rod-Eye Classic, Sensor w/ bracket	250.00
740022	Rod-Eye Classic, Sensor w/o bracket	215.00
740023	Rod-Eye Classic bracket	35.00
8214713	Rod-Eye bracket for Cut/Fill Rod	65.00





# Absolute Accuracy - LASER LEVELS

www.absolac.com (323) 662-9237 or (800) 821-9656



**Rugby 320SG Single Grade**



6002452	Rod Eye Classic (1 pack of NiMh Batteries)	2995.00
6002455	Rod Eye Classic (Alkaline Batteries)	2810.00
6002453	Rod Eye Pro (1 pack of NiMh Batteries)	3070.00
6002456	Rod Eye Pro (Alkaline Batteries)	2885.00

## Piper Pipe Laser



**Rugby 410DG Dual Grade/  
Rugby 420DG Dual Grade  
(Long Range)**

748704	PIPER 100 with Remote, Target, and Li-Ion Battery.	4395.00
748710	PIPER 200 with Remote, Target, and Li-Ion Battery.	4895.00
750974	Piper 100 with Over-the-Top Assembly, With Bracket and Scope	4585.00
748900	Piper Accessories Kit 733270 GEB221, Lithium-Ion Battery, 4Ah 746162 Foot, 8" / 200mm, Piper (4 qty) 746164 Foot, 10" / 250mm, Piper (4 qty) 757608 Target insert, large 15-21" (400-500mm) red 746165 Foot, 12" / 300mm, Piper (4 qty)	328.00

6002457/ 6002474	Rod Eye Classic (1 pk of NiMH Batteries)	3995.00 5495.00
6002470/ 6002478	Rod Eye Classic (Alkaline Batteries)	3810.00 5310.00
6002458/ 6002475	Rod Eye Classic & RF Remote (1 pk NiMH Batteries)	4490.00 5330.00
6002471/ 6002479	Rod Eye Classic & RF Remote (Alkaline Batteries)	4305.00 5805.00
6002459/ 6002476	Rod Eye Pro (1 pack of NiMH Batteries)	4070.00 5570.00
6002472/ 6002480	Rod Eye Pro and (Alkaline Batteries)	3885.00 5385.00
6002482/ 6002477	Rod Eye Pro & RF Remote (1 pk NiMH Batteries)	4565.00 6065.00
6002473/ 6002481	Rod Eye Pro and RF Remote (Alkaline Batteries)	4380.00 5880.00

## Accessories for Piper

<b>Accessories</b>		
739575	Rod-Eye Classic, Sensor w/ bracket	250.00
727163	Rod-Eye Pro w/ Bracket	325.00
739854	RF Remote Control, Rugby 400DG	495.00
765668	RF Remote Control - Rugby 410-420DG	495.00
739870	Scope & Mount Ass'y, Rugby 300-320SG/400-410-420DG	95.00
739855	NiMH Bat. Rugby 300-320SG/400-410-420DG	95.00
741349	NiMH Charger, 100-240VAC to 12VDC (excluding AC power cable)	90.00
731440	US Cable for Universal Charger	incl
738242	Car Adapter Cable	10.00
725851	Pigtailcable Auto Charger 4.5m	40.00

725858	Target Assy w/small insert 300mm, red	115.00
725915	Transit Tower Assembly	860.00
731493	Blower used for Pipelaying Applications	550.00
733270	GEB221, Lithium-Ion Battery, 4Ah	180.00
746155	Carrying Case, Piper 100	150.00
746156	Carrying Case, Piper 200	150.00
746157	IR Remote Control	195.00
746158	Trivet Assembly with Mounting Bracket, Piper	395.00
746159	Mounting Bracket, Piper	45.00
746160	Scope and Mount Assembly, Piper	145.00
746161	Foot, 6" / 150mm, Piper (4 required)	7.00
746162	Foot, 8" / 200mm, Piper (4 required)	7.00
746163	Foot, 9" / 225mm, Piper (4 required)	7.00
746164	Foot, 10" / 250mm, Piper (4 required)	10.00
746165	Foot, 12" / 300mm, Piper (4 required)	10.00
748775	Target Assembly, 4" / 100mm	45.00
6000000	Drop manhole assembly for Piper series	775.00
745139	Trivet handle assy.	55.00
756088	Target insert, small 6-12" (150-300mm) red	30.00
757608	Target insert, large 15-21" (400-500mm) red	40.00
734752	GKL211, Charger BASIC, for Li-Ion batteries GEB221 and GEB211, car adapter cable and net adapter included.	110.00



Automatic self-leveling increases productivity with fast setups and minimal training  
 One person elevation control up to 500 ft (150 m) away increases productivity  
 Durable construction can withstand tough jobsite conditions  
 Height of Instrument alert stops laser rotation if elevation changes occur to avoid errors  
 HR320 receiver offers 2 accuracies and has grade displays front and rear

**LL100**

LL100	LL100 Laser Level, HR320 Receiver, and Carrying Case	\$650.00
LL100-1 Tenths	LL100 Laser Level with Tripod, 8.0' 3-Section Rod (Tenths), HR320 Receiver, and Hard Case that holds Laser Tripod and Rod	\$729.00
LL100-2 Inches	LL100 Laser Level with Tripod, 8.0' 3-Section Rod (Inches), HR320 Receiver, and Hard Case that holds Laser Tripod and Rod	\$729.00
LL100-3 Metric	LL100 Laser Level with Tripod, 2.5m' 3-Section Rod (Metric), HR320 Receiver, and Hard Case that holds Laser Tripod and Rod	\$729.00



Laser knocked over on tripod survives fall to concrete  
 With optional RC601 can dial in grade in one axis while still self leveling in other.

**LL300**

LL300	LL300 Auto Self-Leveling Laser w/HR350 Receiver	\$895.00
LL300-4	LL300 Auto Self-Leveling Laser w/HR350 Receiver & Ni-Cad Batt.	\$965.00
LL300-10	LL300 Auto Self-Leveling Laser w/CR600 Combo Receiver	\$1145.00
LL300-14	LL300 Auto Self-Leveling Laser w/CR600 & Ni-Cad Batt.	\$1220.00



Laser knocked over on tripod survives fall to concrete, H.I. Warning  
 With optional RC601 can dial in grade in one axis in both axis.  
 Class 2 visible beam with 2600ft dia. range.

**LL400**

LL400	LL400 Laser Level w/HL700	\$1395.00
LL400-4	LL400 Laser Level w/HL700, NiMH Recharge Kit	\$1470.00
LL400-10	LL400 Laser Level w/CR600	\$1495.00
LL400-14	LL400 Laser Level w/CR600, NiMH Recharge Kit	\$1670.00



Rugged, proven design  
 Stable accuracy in even the most challenging environments  
 Machine Control compatible  
 Accuracy: ±1/16" at 100ft / ±1.5mm at 30m  
 Diameter range: 1600ft / 500m

**LL-500**

LL500	Spectra Precision Laser 500C Leveling System Including HL700 Receiver	\$1350.00
LL500C-4	Spectra Precision Laser 500C Leveling System Including HL700 Receiver & Recharge Kit	\$1425.00



This economical choice has +/-10% in the X axis grade range and -0.5 to +25% Y axis grade range with high accuracy up to 3,000 ft diameter. Ideal for general construction and machine control grade applications.

**GL700**

GL-710	Single Slope (Grade) Laser, HL700, Rechargeable	\$4495.00
GL-720	Dual Slope (Grade) Laser, HL700, Rechargeable	\$5295.00

Fast, easy horizontal level, grade and vertical plumb setup with no manual leveling  
 Easy setups with the 2-way, full-function radio remote control and single and dual grade  
 Automatic temperature & grade compensation eliminates rework  
 Very long operating range of 800 m (2,600 ft) for GL422 increases machine control capability and reduces setups over the jobsite

**GL422**

GL-412	GL412 Single Grade, HL700, Rechargeable	\$2395.00
GL-422	GL422 Dual Grade, HL700, Rechargeable	\$2995.00

**Laser Detectors**



Magnetic mount to vertical grid. 3 Channel LED indicators and audible tone for high/low on grade. Built in Bubble. 100 meter range. Includes C61 Clamp.

**HR150**



Receiver for LG20 Only. Dual LCD and LED Display with tone. Includes C59 Clamp.

**HR250**



The Spectra Precision® Laser HR320 is a durable laser receiver for exterior leveling applications. LCD's on the front and back display a 5 segment grade arrow that indicates grade position.

**HR320**



General Purpose Receiver with 500 ft. radius range. Dual LCD 5 Channel and front LED 3 Channel Display. Audible tone and selectable sensitivity of 1/8" or 1/16". Includes C59 Clamp.

**HR350**



General Purpose Receiver with 1500 ft. radius range. Can be used for Machine Control. Dual LCD 15 Channel and front LED Super Bright 5 Channel Display. 270 degree photocells. Magnesium Housing. Audible tone Includes C51 Clamp and Magnetic Mount.

**CR600**



NEW Storm, Digital Readout Laserometer, Can read cut and fill directly on the Receiver.

**HL700**



# Absolute Accuracy - LASER LEVELS

www.absolac.com (323) 662-9237 or (800) 821-9656



The HV101 offers fully-automatic electronic self-leveling in both horizontal and vertical planes. Its visible beam can be pointed or rotated at four preset speeds, and the scanning function is designed to increase visibility making it easier for the contractor to perform interior layout and alignment.

## HV101

HV101	HV101 Horizontal / Vertical Laser Interior Package	\$650.00
HV101-4	HV101-4 Horizontal / Vertical Laser Universal Package (w/ HR150 Receiver & Clamp)	\$775.00
M101	M101 Wall Mount	\$49.00



HV301G, New from Spectra Precision. The automatic, self-leveling horizontal and vertical laser offers exceptional versatility and superior green beam visibility for increased productivity in a wide variety of horizontal, vertical and plumb applications.

## HV301G

HV301G	HV301G Horizontal and Vertical Laser Transmitter, RC601 Remote Control, M300 Universal Wall Mount, Enhanced Ceiling Target, NiMH Rechargeable Batteries and Charger, Multi-Language User Guides, and Hard Carrying Case	\$1395.00
--------	---	-----------



Horizontal and Vertical Self Leveling  
3.0 mW Visible Beam w/plumb beam, Scanning and Variable Rotation Speed  
With optional RC601 can dial in grade in one axis in both axis  
1000 ft. Dia Range with HR350 Receiver

## HV301

HV301	HV301 GC Package includes: HV301, Rechargeable Batteries, HR350 Laser Receiver	\$1095.00
HV301-1	HV301 Interior Package with Rechargeable Batteries, Wall Mount and Remote	\$1095.00
HV302-2	Combination Package includes: HV301, Rechargeable Batteries, Wall Mount, HR150 Laser Receiver, Remote,	\$1195.00



Horizontal and Vertical Self Leveling  
Laser knocked over on tripod survives fall to concrete, H.I. Warning  
With optional RC601 can dial in grade in one axis in both axis.  
Class 2 visible beam with 2000ft dia. range.

## HV401

HV401	HV401 Interior Package includes: HV401, Universal Mount, Remote and Laser Glasses.	\$1495.00
HV401-4	Combination Package includes: HV401, Universal Mount, Ceiling Mount, Laser Glasses, Machine Mount, Rod Clamp, Remote Control and Receiver.	\$1795.00



## LR30

360 Degree Machine Control Receiver,  
5 Channels,  
3 Accuracies



## LR50

360 Degree Machine Control Receiver,  
6 Channels,  
3 Accuracies  
Blade Tilt and Plumb Indicator



## LR60

360 Degree Machine Control Receiver,  
6 Channels,  
3 Accuracies  
Angle Compensation and Plumb Indicator

CTO-LR30	NiMH Batteries	\$1445.00
CTO-LR30-1	Alkaline Batteries	\$1295.00
CTO-LR30-MM	NiMH Batteries, Magnetic Mount	\$1740.00
CTO-LR50	NiMH Batteries	\$2045.00
CTO-LR50-1	Alkaline Batteries	\$1895.00
CTO-LR50-MM	NiMH Batteries, Magnetic Mount	\$2340.00
CTO-LR60	NiMH Batteries	\$2645.00
CTO-LR60-1	Alkaline Batteries	\$2495.00
CTO-LR60-MM	NiMH Batteries, Magnetic Mount	\$2940.00
LG2 Two Beam 90 Degree Floor Line Generator		\$215.00



## DG511 and DG711



The rugged Spectra Precision Laser DG711 and DG511 Pipe Lasers are built tough for long lasting performance and reliability. Featuring a very rugged design and a variety of unique technological capabilities. These Pipe Lasers stand up to corrosion from acids, chemicals, salts and other destructive underground elements as well as to the physical abuse typical in the construction industry.

DG511	RC501 Remote, NiMH Battery, 956 Target, 8" Plate	\$4495.00
DG511-2	Over the Top Pkg. w/Scope, Tripod, No Remote	\$4795.00
DG511-3	DG511 Pkg. & 1230 Large Plate w/Adj. Legs	\$4815.00
DG511-5	DG511-3 Pkg. & 1239 Vertical Pole	\$4990.00
DG511-6	DG511-3 Pkg. & 1239 Vertical Pole (Metric)	\$4990.00
DG511-7	w/Remote, Alkaline Battery, 956 Target, 8" Plate	\$4360.00
DG511-9	DG511 Laser with RC501 3-button remote, alkaline batteries pack P21 12v power cable, & 8" invert plate (excludes 956 target)	\$4360.00
DG511-13	DG511 Laser with 1233 sighting scope, P21 12v power cable, NiMH recharge kit (excludes 956 target & RC601 remote)	\$4495.00
DG711	RC502 Remote, NiMH Battery, 956 Target, 8" Plate + P20B Alkaline Pack	\$4995.00
DG711-2	Over the Top Pkg. w/Scope, Tripod, No Remote	\$5195.00
DG711-3	DG711 Pkg. & 1230 Large Plate w/Adj. Legs	\$5215.00
DG711-5	DG711-3 Pkg. & 1239 Vertical Pole	\$5390.00
DG711-6	DG711-3 Pkg. & 1239 Vertical Pole (Metric)	\$5390.00
DG711-7	RC501 Remote, Alkaline Battery, 956 Target, 8" Plate	\$4760.00



## TOPCON EXTERIOR LASERS



**RL-H3C**

Exterior Laser is one of Topcon's best values, with a host of World-Leading features at an unbeatable price, it's the perfect laser for any contractor's needs. Range is 1000' dia. w/detector visible beam. Horizontal Self Leveling Laser Incl. Detector & Case List \$895.00



**RL-H3CL**

Same as above w/ long 1600ft. dia. range. List \$1195.00



**RL-H3CS**

Exterior Laser same as RL-H3C except has Single Axis Slope . Incl. Detector & Case. List \$1195.00



**RL-H3A**

The RL-H3A has an impressive range of up to 2500' in diameter, and features Topcon's liquid compensation technology for superior durability. List \$1695.00



**RL-100 1s**

Topcon's all new single slope RL-100 1S sets new standards for simplicity and accuracy. Single slopes from -5% to up to +25% in X or Y axis and comes complete with Topcon's new LS-80B laser receiver, sensor holder, and batteries. List \$2995.00



**RL-100 2s**

Dual slopes up of +/- 10% in single slope or up to an industry leading +/-25% dual slope. The RL-100S2 standard package includes the LS-80S laser sensor, sensor holder, batteries, plus the all new RC-400 remote that allows complete control of the RL-100S2 up to 300' List \$3995.00



**RT-5SW**

From agricultural land leveling to large construction sites, there isn't another laser available that can deliver dual slopes this accurately or easily. Two-way, RF remote delivers 300 meters (1000') of 360 degrees communication. World's first 5 arc second repeatability system. 1200 meter (4000') diameter working range. Auto alignment has range of up to 150 meters. Grade matching function. Electronic beam masking. 30hrs on Ni-MH rechargeable, 40 hrs on Alkaline Dustproof, waterproof, rugged design. List \$6995.00

## TOPCON INTERIOR LASERS



**RL-VH4G**

Green Beam, SmartScan, SmartFocus, SmartSlope, SmartLine, SmartPlumb, Vertical Beam, Rechargeable, 330.ft diameter range and accuracy better than 1/16" at 100 ft., 4 alkaline batteries, SmartScan Target, Hard Shell Carry Case, 2 Magnetic Ceiling Targets. List \$3199.00



**RL-VH3D**

SmartScan, Vertical Beam, Rechargeable, 200.ft diameter range with target card 1000 ft. dia. with detector, accuracy of less than 1/8" at 100 ft. with wall mount, ceiling targets and alkaline batteries. List \$1095.00



**RL-VH3DR**

Same as above with high power beam, with remote, wall mount, ceiling targets and alkaline batteries. List \$1595.00

## TOPCON PIPE LASERS



TP-L4B Package	\$4,695.00
TP-L4B Over-the-Top Package	\$4,995.00
TP-L4G Package	\$6,995.00
TP-L4G Over-the-Top Package	\$7,295.00
TP-L4BG Package	\$6,195.00
TP-L4AV Package	\$5,495.00
TP-L4GV Package	\$7,295.00

## TOPCON DETECTORS



MACHINE CONTROL	
LS-B2A Package	\$3,995.00
LS-B2B Package	\$3,395.00
LS-B2C Package	\$2,495.00
LS-B2D Package	\$2,295.00



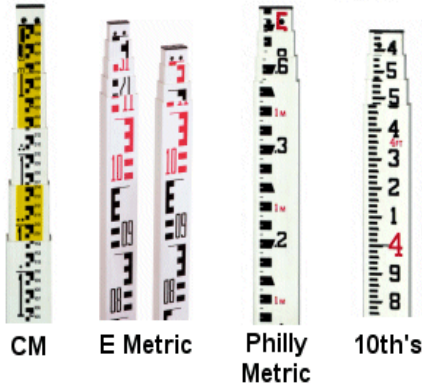
LS70B Laser Detector w/bracket	\$295.00
LS6 Detector Bracket for LS70	\$60.00



LS80B Laser Detector w/bracket	\$195.00
--------------------------------	----------



CR1 Interior Detector w/LEDs	\$150.00
Has magnet on top and does not include bracket	



## CRAIN Fiberglass Level Rods

The Crain CR

Series Leveling Rod incorporates many features - rectangular shape with rounded back corners for a better grip, scale width is graduated to fill the entire face of the rod, measuring scale on backside of rod allows overall height readings, strong fiberglass, which is waterproof and corrosion-resistant. Special molded standoff ribs protect scales from wear. The CR series is a natural for laser detector mounting. Special brackets are not required. Unlike aluminum rods, the CR Series are non-conductive. The CR series are available in 8ft, 13ft, and 16ft lengths. Case not included

Model	Description	List
CR08T 92001	8' 2 Sections 10ths/100ths	\$52.50
CR08I 92002	8' 2 Sections Inches	\$52.50
CR2.4M 92003	2.4M' 2 Sections Philly Metric	\$52.50
CR13T 92021	13' 3 Sections 10ths/100ths	\$74.25
CR13I 92022	13' 3 Sections Inches	\$74.25
CR4.0M 92023	4.0M' 3 Sections Philly Metric	\$74.25
CR16T 92041	16' 4 Sections 10ths/100ths	\$93.25
CR16I 92042	16' 4 Sections Inches	\$93.25
CR5.0M 92043	5.0M' 4 Sections Philly Metric	\$93.25
	"E" and 5mm Metric Available	
USL25T 90305	25' 7 Sections 10ths/100ths	\$225.00
USL25I 90315	25' 7 Sections Inches	\$225.00
USL7.6M 90381	25' 7 Sections Metric	\$225.00
	5/8 x 11 Prism Adapter for SVR Rod	\$16.71

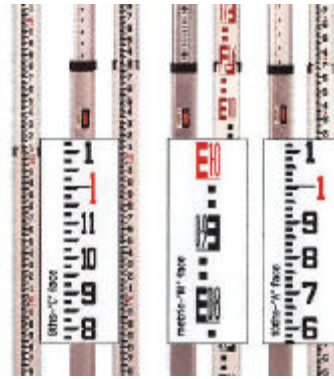
## CRAIN Height Measuring Ruler

A versatile tool for fast accurate one-person measuring, the CMR Series is the tool for measuring heights, clearances and horizontal distances. The CMR Measuring Ruler is a direct reading rod at eye level. Made of rugged, non-conductive fiberglass, the CMR Series is light-weight and designed for strength. The CMR comes with a carrying case and caliper tip.

The CMR Series is available in 25ft, 36ft, and 50ft. It has dual measuring scales, the English scale is in 1/4 inch increments, the metric scale is in 1/2 cm increments. It is a direct reading rod

and it has no tapes to break or wear. The CMR Measuring Ruler has a 1/4-20 threaded female tip for accessories. It also has positive snap-lock buttons. Case included.

CMR25 90180	Height Measuring Ruler Inches	\$258.00
CMR35 90181	Height Measuring Ruler Inches	\$386.00
CMR50 90282	Height Measuring Ruler Inches	\$534.00



## CST Aluminum Level Rods



### CST Rod Level

**06-750** Universal works with any Level Rod. \$18.00

Model	Description	List
06-808	8' 3 Sections, 10ths/100ths	\$46.20
06-808C	8' 3 Sections, Inches	\$46.20
06-813	13' 3 Sections, 10ths/100ths	\$64.90
06-813C	13' 3 Sections, Inches	\$64.90
06-804M	4 meter 4 Sections, Metric	\$64.90
06-816	16' 5 Sections, 10ths/100ths	\$71.50
06-816C	16' 5 Sections, Inches	\$71.50
06-805M	5 meter 5 Sections, Metric	\$71.50

## SECO Direct Elevation Rods

Model	All Aluminum with Rail	List
7601-20	10' Cut/Fill 10ths/100ths	\$160.95
7501-20	10' Bold Face 10ths/100ths	\$160.95
<b>All Aluminum w/o Rail</b>		
7601-21	10' Cut/Fill 10ths/100ths	\$160.95
7501-21	10' Bold Face 10ths/100ths	\$140.95
<b>Wood &amp; Aluminum with Rail</b>		
7502-21	10' Bold Face 10ths/100ths	\$244.95
7602-21	10' Cut/Fill 10ths/100ths	\$244.95
<b>Wood &amp; Aluminum w/o Rail</b>		
7502-20	10' Bold Face 10ths/100ths	\$215.95
7602-20	10' Cut/Fill 10ths/100ths	\$215.95
<b>Metric</b>		
7342-21	Metric w/rail	\$244.95
7342-20	Metric w/o rail	\$215.95
8166-01	Rod Case (for all above)	\$38.95
<b>Laser Rail Adapters</b>		
5079-038	ADAPTER, ROD, TOPCON LS30,DE	\$79.95
5079-039	ADAPTER, ROD, SP, DE	\$79.95
5079-045	ADAPTER, DE ROD, LR100&390, LRP3A&3C, SOKKIA	\$79.95
5079-053	ADAPTER, ROD, LASER, REF R1, DE	\$79.95
5079-054	ADAPTER, ROD, LASER ROD-EYE 6, DE	\$79.95
5079-055	ADAPTER, SP 1275, ROD, DE	\$79.95
5079-056	ADAPTER, LASER REF R4, ROD, DE	\$79.95
5079-057	ADAPTER, ROD-EYE 8, ROD, DE	\$79.95
5079-058	ADAPTER, ROD-EYE PRO/APACHE 64, DE	\$79.95
5079-059	ADAPTER, TRIMBLE HR-500, DE	\$79.95
5079-060	BRACKET, LASER ROD, DE, UNIVERSAL	\$58.95
5079-061	BRACKET, LASER ROD, DE, SP	\$58.95
5079-063	BRACKET, LASER, UNIVERSAL, 77 HT	\$49.95
5079-064	BRACKET, LASER, UNIVERSAL, 115 HT	\$49.95
5079-065	BRACKET, LASER, UNIVERSAL, 135 HT	\$49.95
5079-066	BRACKET, LASER, UNIVERSAL, 150 HT	\$49.95
5079-068	BRACKET, LASER ROD, DE, HR550	\$79.95
5079-069	BRACKET, LASER ROD, DE, HR350	\$79.95
5079-070	BRACKET, LASER ROD, DE, APACHE STORM	\$79.95



## CRAIN Prism Poles



Model Number	Models	Weight	Collapsed Length	Extended Length	Price
90276	Alumilite® 8'	2.5 lbs	4ft 8in	8ft 1in	\$163.00
90287	Alumilite® 12'	3.2 lbs	4ft 10in	11ft 10in	\$198.00
90201	Alumilite® 15'	3.8 lbs	4ft 11in	15ft 3in	\$240.00
90280	Composilite® 8'	2.1 lbs	4ft 8in	8ft 1in	\$210.00
90282	Composilite® 12'	2.6 lbs	4ft 10in	11ft 10in	\$277.00
90200	Composilite® 15'	3.2 lbs	4ft 11in	15ft 3in	\$342.00
90279	Carbonlite/AL® 8'	3.0 lbs	4ft 8in	8ft 1in	\$264.00
90284	Carbonlite/AL® 12'	2.5 lbs	4ft 10in	11ft 10in	\$370.00
90203	Carbonlite/AL® 15'	3.1 lbs	4ft 11in	15ft 3in	\$499.00
90281	Carbonlite® 8'	1.6 lbs	4ft 8in	8ft 1in	\$370.00
90283	Carbonlite® 12'	2.0 lbs	4ft 10in	11ft 10in	\$465.00
90202	Carbonlite® 15'	2.6 lbs	4ft 11in	15ft 3in	\$588.00
91641	Steady Rest Mounts on standard tripod to hold/calibrate any pole				\$10.25



### CST Compression Lock - Precise Adj. Tip

67-4209TMA	8' .05ft/10mm 5/8x11 Adj tip	\$160.00
67-4212TMA	12' .01ft/10mm 5/8x11 Adj tip	\$192.00
67-4215TMA	15' .05ft/10mm 5/8x11 Adj tip	\$238.00



Leica



50



5/8x11



4R Adj Tip



### CST Quick Release - Precise Adj. Tip

67-4308TMA	8' .01ft/10mm Adj 5/8x11 tip	\$170.50
67-4312TMA	12' .01ft/10mm Adj 5/8x11 tip	\$201.30



### SECO Compression Lock, Prism Poles

5600-10	8.5ft. Adj Tip, Dual Graduations	\$149.95
5600-20	12ft. Adj Tip, Dual Graduations	\$189.95



### CST Tru-Lock - Precise Adj. Tip

67-4408TMA	8' .05ft/10mm 5/8x11 Adj tip	\$170.50
67-4409TMA	8' .05ft/10mm 5/8x11 Adj tip Lightweight Model	\$159.50



### SECO Quick Release, Prism Poles

5700-10	8.5ft. Adj Tip, Dual Graduations	\$169.95
5700-20	12ft. Adj Tip, Dual Graduations	\$209.95



### CST Quick-Lok Precise Adj. Tip

67-4508TMA	8'/2.5m, 2 section	\$170.50
67-4509TMA	6.5/2m, 2 section Lightwt Mod	\$159.50
67-4512TMA	12'/3.6m, 3 section	\$202.00
67-4515TMA	15'/4.6m, 4 section	\$250.00

### CST Quick-Lok Leica Tip

67-4508TMAL	8'/2.5m, 10ths/metric,	\$170.50
67-4509TMAL	6.5/2m, 2section, Lightwt Mod	\$159.50
67-4512TMAL	12'/3.6m, 10ths/metric,	\$216.00
67-4515TMAL	15'/4.6m, 10ths/metric,	\$258.50



### CST Maxi-Lite Precise Adj. Tip

67-4708TMA	8' .05ft/10mm 5/8x11 Adj tip	\$158.80
67-4712TMA	12' .01ft/10mm 5/8x11 Adj tip	\$199.30
67-4715TMA	15' .05ft/10mm 5/8x11 Adj tip	\$243.00



### SECO SurLoc, Lever Lock Prism Poles

5800-10	8.5ft. Adj Tip, Dual Graduations	\$179.95
5800-20	12ft. Adj Tip, Dual Graduations	\$219.95
5800-30	15.6ft. Adj Tip, Dual Graduations	\$259.95



### SECO TVL, Twist Lock Prism Poles

Carbon Fiber Available

5500-11	8.5ft. Adj Tip, Dual Graduations	\$169.95
5500-21	12ft. Adj Tip, Dual Graduations	\$209.95
5500-30	15.6ft. Adj Tip, Dual Graduations	\$249.95



### Single Tilting 62mm Prisms w/Target List

SI-2050-P-X	Eagle Polymer Hybrid Canister	\$166.90
SI-2050-M-X	Eagle CNC Metal Canister	\$186.90
SI-2055-X	Eagle Heavy Duty Holder & Target	\$101.90
SI-3040-P-X	Jayhawk Polymer Hybrid Canister	\$155.90
SI-3040-M-X	Jayhawk CNC Metal Canister	\$175.90
SI-3045-X	Jayhawk Universal Holder & Target	\$90.90
SI-3050-P-X	Falcon Polymer Hybrid Canister	\$172.90
SI-3050-M-X	Falcon CNC Metal Canister	\$192.90
SI-3055-X	Falcon Premium Holder & Target	\$107.90

(-M) CNC Metal Canister, (-P) Polymer Hybrid Canister  
 (-X) Specifies Color: (-O) Orange, (-Y) Yellow, (-C) Chartreuse

### 25mm Mini Prism Assemblies List

SI-4050	Harrier 25mm Mini Prism System, Plumb Point, Bracket, Bag	\$164.90
SI-4055	Harrier Mini Holder	\$84.90
SI-4070	Albatross 25mm Stakeout Prism Sys, Bag	\$180.90
SI-4075	Albatross Stakeout Holder	\$94.90
SI-4080	Cardinal 25mm Sliding Prism System, Bag	\$185.90
SI-4085	Cardinal Mini Sliding Holder	\$96.90
SI-3550	Night Owl 25mm Fixed Monitoring Prism System	\$99.90

Swift	Hawk	Prism Poles, Level, 5/8-11 Adj. Tip and Point	LEVER LOCK List Swift	TWIST LOCK List Hawk
-------	------	---	-----------------------	----------------------

SI-4600-X	SI-4400-X	Aluminum, 8FT	\$159.90	\$151.90
SI-4602-X	SI-4402-X	Aluminum, 2.5M	\$159.90	\$151.90
SI-4604-X	SI-4404-X	Aluminum, 12FT	\$210.90	\$203.90
SI-4606-X	SI-4406-X	Aluminum, 3.6M	\$210.90	\$203.90
SI-4608-X	SI-4408-X	Aluminum, 15FT	\$285.90	\$249.90
SI-4610-X	SI-4410-X	Aluminum, 4.6M	\$285.90	\$249.90
SI-4620	SI-4420	Carbon Fiber, 8FT	\$264.90	\$259.90
SI-4622	SI-4422	Carbon Fiber, 2.5M	\$264.90	\$259.90
SI-4624	SI-4424	Carbon Fiber, 12FT	\$320.90	\$315.90
SI-4626	SI-4426	Carbon Fiber, 3.6M	\$320.90	\$315.90
SI-4627	SI-4427	Carbon Fiber, 8FT/2.5M	\$284.90	\$279.90
SI-4628	SI-4428	Carbon Fiber, 12FT/3.6M	\$339.90	\$335.90

(-X) Specifies Color: (-R) Red/White, (-O) Orange, (-Y) Yellow



### Raptor Push Button BIPODS-TRIPODS List

SI-4700-X	Bipod Assembly	\$164.90
SI-4705-X	Tripod Assembly	\$195.90
SI-4706-X	Leg Addition	\$34.90
SI-4707-X	Mini Bipod Assembly	\$160.90
SI-4708-X	Mini Tripod Assembly	\$191.90
SI-4709-X	Mini Leg Addition	\$31.90
SI-4800-X	H-Duty GPS Antenna Tripods, 6" Head, Adj. Level, Lock Pin	\$865.90

(-X) Specifies Color: (-R) Red, (-O) Orange, (-Y) Yellow

Quick Release \$79.90	RAM \$85.90	Combo Open Pole Clamp+Ram+Cradle \$189.00	Combo Anti-Crush Clamp+Ram+Cradle \$189.00	Talon Anti-Crush Cradle
-----------------------	-------------	---	--	-------------------------

SI-6050	SI-6070	SI-6310	SI-6350	Magellan MMCX
SI-6051	SI-6071	SI-6311	SI-6351	Magellan MM6
SI-6052	SI-6072	SI-6312	SI-6352	Topcon FC2500
SI-6053	SI-6073	SI-6313	SI-6353	TDS Nomad
SI-6054	SI-6074	SI-6314	SI-6354	TDS Ranger, Trimble Tsc2
SI-6055	SI-6075	SI-6315	SI-6355	TDS Recon
SI-6056	SI-6076			Trimble GeoXT, XH, XM



### GPS Accessories

### 2 Meter Poles, 5/8-11 Tip, Level and Point List

SI-4640-X	Two-Piece Aluminum	\$94.90
SI-4641	Two-Piece Carbon Fibert	\$295.90
SI-4642-X	Snap-Lock Aluminum Rover Rod	\$112.90
SI-4643	Snap-Lock 2M Carbon Fiber Rover Rod	\$339.90

### Other Poles and Section List

SI-4644	2M Height Pin, Five-Sections	\$165.90
SI-4645-X	Snap-Lock Radio Antenna Pole, 5/8-11 Tip	\$45.90
SI-4680-X	1-FT Mini Stakeout Pole, 1-1/4 OD, 5/8-11	\$59.90
SI-4681-X	0.5M Pole Extension, 1 OD, 5/8-11	\$34.90
SI-4685-X	2-FT Pole Extension, 1 OD, 5/8-11	\$34.90
SI-4686	0.5M Carbon Fiber Pole Ext., 1 OD, 5/8-11	\$69.90

### TRIBRACHS & ADAPTERS List

SI-4550	Tribrach with Optical Plummet	\$224.90
SI-4551	Tribrach without Optical Plummet	\$198.90
SI-4552	Tribrach Adapter, Optical Plummet	\$295.90
SI-4553	Fixed Tribrach Adapter, 5/8-11	\$62.90
SI-4554	Rotating Tribrach Adapter, Friction Top Rotation, 5/8-11	\$85.90
SI-4556	Tribrach with Laser Plummet	\$244.90
SI-4557	Rotating Tribrach Adapter, Zeiss Plug/Wild Type, 5/8-11	\$85.90

### Open Pole Clamp, 3/4 to 1-1/2 Pole List

SI-6020	Quick Release, Level, Compass	\$82.90
SI-6021	Quick Release, Plain	\$72.90
SI-6022	RAM, Level, Compass	\$82.90
SI-6023	RAM, Plain	\$72.90

### Talon Anti-Crush Pole Clamp, 1-1/4" List

SI-6030	Quick Release, Level, Compass	\$82.90
SI-6031	Quick Release, Plain	\$72.90
SI-6032	RAM, Level, Compass	\$82.90
SI-6033	RAM, Plain	\$72.90





**Single Tilting Metal Yoke Prisms w/Target**

CST	63-2010M	\$129.95
CST	63-1010	\$159.00
Seco	6402-02	\$150.95

**Sale**



**Mini Prism Assemblies**

Horizon	ADS-102	\$99.00
Seco	6200-10 Center Vial	\$129.95
Seco	6200-11 Side Vial	\$129.95
CST	65-1500	\$159.00
CST	65-1500M	\$180.00



**Tribrachs**

FJD Optical Plummet **\$129.00**  
 FJ Non Optical Plummet **\$125.00**



**Tribrach Carriers**

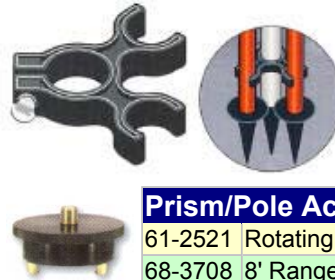
w/adjustable height  
 FLD Optical Plummet Carrier **\$99.00**  
 FL Non Optical Plummet Carrier **\$89.00**



**Sale**

**SECO Prism Pole Bipod and Tripod**

5217-04	Prism Pole Bipod Thumb release legs Open clamp	\$149.95
5217-05	Prism Pole Mini Bipod Thumb release legs collapse to 25" extend to 35". Open clamp	\$149.95
5218-02	Prism Pole Tripod Tripod has thumb release legs for poles up to 1-1/2"	\$165.95



**Prism/Pole Accessories**

		List
61-2521	Rotating Adapter Friction type	\$79.00
68-3708	8' Range Pole 2 sect. w/o Bag	\$45.00
68-3732	1'ft Range Pole sect	\$19.30
68-3742	Double Mail 5/8 x 11 Adapter	\$12.00
67-4258	Prism Pole Topo Shoe	\$13.20
67-3740	Prism Pole Point	\$9.55
5217-30	Bipod Leg Clip Easily attaches to any 1 1/4" prism or antenna pole.	\$13.95



**SECO Prism/Pole Bags**

		List
8070-00	Small Prism Bag	\$37.95
8080-00	Triple. Prism Bag	\$39.95
8081-00	Jumbo" Triple Prism Bag	\$55.95
8130-00	Extra Tall Triple Prism Bag	\$58.95
8160-00	Prism Pole Case	\$36.95
8071-00	Tribrach Case	\$35.95
8180-00	Prism Pole Tripod Bag. Holds a prism pole with a tripod or bipod attached. Bag is 60" long.and has a fold over flap	\$50.95



**Sale**

**CST Metal Locator With Soft Case**

19-550	Magna-Trak 100	\$559.00
19-555	Magna-Trak 101	\$499.00
19-557	Magna-Trak 102	\$675.00
19-200SC	Magna-Trak 200	\$650.00
19-202SC	Magna-Trak 202	\$675.00





# Absolute Accuracy - TRIPODS

www.absolac.com (323) 662-9237 or (800) 821-9656



**Call for your low price**

SetL		
S6-AQ	Aluminum Quick Clamp Heavy Duty	\$75.00
S6-AT	Aluminum Twist Clamp Heavy Duty	\$80.00
S6-WT	Wood Tripod Twist Clamp Heavy Duty	\$89.00

CST		
60-WDW20HV	Heavy Duty Wood with Quick Clamps 5/8 x 11 thread	\$210.95
60-WDF20	Wood/Fiberglass with Quick Clamps 5/8 x 11	\$199.30
60ALW25	Aluminum 3 1/2 x 8 head	\$190.80



CST Wood Elevator Column 5/8"x11		
60-WDW20ELAZ	48" to 88"	\$538.00
60-WDW30ELAZ	68" to 128"	\$731.00
8150-00	Tripod Bag, Courdura	\$54.95
60-TFG20	Trpod Stabilizer	\$39.95

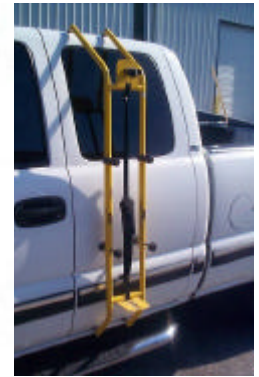
CST Aluminum Elevator Column 5/8"x11		
60-ALW10ELAZ	25" to 46"	\$455.00
60-ALW20ELAZ	48" to 88"	\$476.00
60-ALW30ELAZ	68" to 128"	\$630.00

CST Machine Control Tripods w/casters for interior and points for exterior		
60-MCT	6' to 11'3"	\$773.50
60-MCTE	7' to 14'3"	\$1163.50



CRAIN Tri-Max All Fiberglass		
90550	Extra Heavy Duty Quick Clamp	\$407.00
90551	Extra Heavy Duty Twist Clamp	\$407.00
90553	Extra Heavy Duty Dual Clamp	\$427.00
90560	Extra Heavy Duty Tall Dual Quick Clamp	\$500.00
90561	Extra Heavy Duty Tall Dual Twist Clamp	\$500.00
90570	All Fiberglass Extra Heavy Duty Fixed Leg	\$545.00

Dutch Hill		
GT2000CF	Carbon Fiber 10lbs	\$399.00
GT2000A	Fiberglass. with composite head 13lbs	\$307.00



## SECO Precise GPS Antenna Tripod

Feature a 2 meter center staff that rotates 360 degrees to check calibration of plumbing with a 10 min. vial, a removable 5/8x11 adapter and an onboard compass. Choose from below.

Graduated Collapsible		
5119-00	Features a collapsible center staff w/SurLoc locking mechanism and quick release and SurLoc mechanisms on the legs. Dual graduated and adjusts to 3 heights, 2.0m, 1.8m and 1.5m, with lock pin and can be set to any height between 2.0m and 1.24m in centimeter increments. Collapses to 50"(127cm.)	\$797.95

Fixed Height		
5115-00	Features a fixed-height center stall and quick release legs. (2.0m)	\$765.95

GPS Antenna Tripod Bags		
8153-00	for 5155-00	\$75.95
8154-00	for 5119-00	\$75.95

Other Accessories		
2133-00	Radio antenna Adapter 5/8 x 11 to 1-1/8 x 18, mounts antenna directly to top of GPS Tripod.	\$26.95
2133-03	Radio antenna bracket with open clamp to mount to any pole. Comes with strap to secure antenna wire. Also can be used with 2133-00 to convert threads to 1-1/8 x 18.	\$53.95
2133-10	GPS/Radio Antenna Mast Bracket. This bracket allows use of a standard 5/8 x 11 tripod and any pole sections from 1.0" to 1.25". For windy and very high setups, guy wires may be needed.	\$53.95

SECO Truck Door Bracket System		
5114-20	Truck door bracket, easy to attach and remove. Does not damage truck	\$549.95



**Stakes/Lath/Hubs**

24"Lath/50	\$18.00
36"Lath/50	\$22.00
48"Lath/50	\$26.00
1x2x6	\$9.00
1x2x8	\$10.00
1x2x12	\$12.00
2x2x6	\$9.00
2x2x8	\$10.00
2x2x12	\$12.00

**Ginnies**

6" box	\$59.00
8" box	\$59.00



Lath Rack	Aluminum makes it easy to carry lath.	\$35.00
Lath Rack Bag	fits on side of rack to hold tools, nails etc.	\$30.00



8102-00	Lath Carrier	\$59.85
8100-20	36" Lath Bag HD	\$44.95
8101-20	48" Lath Bag HD	\$48.95
8090-00	18" Stake Bag HD	\$47.95
8092-00	24" Stake Bag HD	\$56.95



**Stake Feathers**

	25 Per Bundle	\$3.75
	case of 1000	\$99.00
<b>Colors:</b>		
Red	Orange	White
Yellow	Blue	Pink



**Flagging**

	Per Roll	\$1.50
	case of 12	\$14.00

**Fluorescent Colors:**

Red	Orange	Lime
Yellow	Blue	Pink

**Regular Colors:**

Red	Orange	Green
Yellow	Blue	White



**Aerial Panel Flagging**

Length 300 ft.

12" Black Roll	\$22.00
12" White Roll	\$22.00
18" Black Roll	\$33.00
18" White Roll	\$33.00
24" Black Roll	\$44.00
24" White Roll	\$44.00



**Wire Flags** 2"x3"x21" bundle of 100 \$8.80  
red, white, green, pink, blue, yellow, orange, lime



**Aerov Survey Marking Paint**

20 oz. cans	\$4.50
case of 12	\$39.00

**Fluorescent Colors:**

220 Red	222 Orange	224 Green
226 Yellow	227 Blue	228 Magenta
229 Pink	230 Red/Or	

**Regular Colors:**

200 Clear	201 Red	202 Yellow
203 Blue	204 Green	205 Orange
206 Black	207 White	210 Silver

**Spraychalk:**

215 White	216 Red	217 Orange
244	Spot Marker	\$12.50
245	Marking Stick	\$19.50
8098-10	Holster, Can,	\$10.95

*free delivery with 40 cases*



**Carbide Scribe**

Large \$9.85  
Replacement Tip \$2.00



**Valve Action Ink Marker** with replaceable tip  
box/12 \$30.00 replacement tip \$1.50



**RediMark Black** box/12 \$19.00



**RediMark Red** box/12 \$17.95



**Sharpie** box/12 \$14.50



**Paint Sticks - Dixon Type B**

**Regular colors:** black, white  
**Fluorescent colors:** yellow, red, orange, blue, green, pink **box/12 \$12.50**



**Valve Action Paint Markers** box/12 \$32.50  
white, black, red, yellow, blue, green



**Dixon Lumber Crayons** box/12 \$9.60

yellow, black, blue, red, flo pink  
**Wood Lumber Crayon Holder** \$8.45



### Plastic Permamark

Now with Black Letters Available

<b>Yellow Orange Red</b>	Qty of 100	
6000	3/4" Rebar or 1 1/4" Pipe	\$32.50
5000	5/8" Rebar or 1" Pipe	\$31.50
4000	1/2" Rebar or 3/4" Pipe	\$29.50
3000	3/8" Rebar or 1/2" Pipe	\$28.50

Minimum order 100



Iron Galvanized Pipes		
GPCA9066	1" x 18"	\$2.20
GPCA9096	2" x 18"	\$4.10
Lead Sticks		
wal15x3/8	3/8 x 15"	\$2.95



Bench Tie		
2700Y	Vertical Control Point	\$2.95



Letter & Number Stamps		
MFS0202	1/8" Letters	\$33.95
MFS0212	1/8" Numbers	\$11.95



### Survey Tags Printed with your number

3/4" Tags		
2100	3/4" Brass qty 100	\$30.00
2105	3/4" Brass qty 500	\$99.00
1 1/2" Tags Sold in qty 50		
2101	1 1/2" Aluminum 9/16" Hole	\$26.00
2102	1 1/2" Aluminum 11/32" Hole	\$26.00
2103	1 1/2" Brass 9/16" Hole	\$30.00
2104	1 1/2" Brass 11/32" Hole	\$30.00
8134-30	Flat Shiner 3 lbs	\$28.50



CST Plumb Bobs & Accessories					
11-497	6oz	\$15.45	11-552	16oz	\$20.40
11-498	8oz	\$15.65	11-553	18oz	\$22.90
11-499	10oz	\$15.80	11-554	24oz	\$28.50
11-550	12oz	\$17.50	11-554A	32oz	\$37.90
11-551	14oz	\$19.60	11-554B	80oz	\$90.90
11-555A	Cap	\$2.80	11-555B	Point	\$1.40

CST Leather Sheaths			
11-556	8-12 oz		\$9.00
11-557	14-18 oz		\$10.00
11-558	24-32 oz		\$10.00



### Gammon Reels

Gam 001	7ft.	\$10.75
Gam 012	12ft	\$12.85
Gam Cord	Cord 24 yd.	\$7.25



Targets		
11-431	Plastic PB Red/White Target	\$1.55
11-432	Translucent PB Target	\$2.70
9000-01	Paper Target 100/pk	\$5.50
9000-02	Quik-Stik Target 25 pk	\$5.50



Mag Nails box of 100		
24750	3/4" x 1/8"	\$4.90
241000	1" x 5/32"	\$7.20
241250	1 1/4" x 3/16"	\$9.70
241500	1 1/2" x 1/4"	\$13.50
242000	2" x 1/4"	\$15.20
242500	2 1/2" x 1/4"	\$19.50



CST Stake Tacks		
20-750	1lb. box Stake Tacks	\$9.80
20-750B	5lb. box Stake Tacks	\$45.00
E10040532	1lb. box Brass Nail	\$23.00
26218	Tack Ball	\$6.00



Custom Stamped Available

CST Brass Monuments		
20-700	1 3/8" Flat	\$7.00
20-701	2" Flat	\$6.70
20-702	2 1/2" Flat	\$8.00
20-203	3" Flat	\$8.50
20-705	2" Dome	\$8.00
20-706	2 1/2" Dome	\$9.00
20-707	3" Dome	\$10.00



Galvanized Spikes		
17B-C040DHGU	Spike 4"	\$1.80
17B-C060DHGU	Spike 6"	\$2.20
17B-C080DHGU	Spike 8"	\$2.60



**400 Series**  
counts every foot or meter

**ProMarker 400PM**

**415 Series**  
counts every foot or meter w/subdivided wheel

**600 Series**

**300 Series**  
counts every foot or meter

**MM-30 Series**

**ProMarker 30PM**

**MM-12 TWIN SERIES**

**MM-12 SERIES**

**112 Series**

400	counts to 100,000ft	\$149.00	415	counts to 100,000ft	\$159.00	300S	counts to 100,000ft	\$109.00	MM12	feet/inches	\$39.00
400E	extended handle	\$159.00	415E	extended handle	\$169.00	300MS	100,000 meters	\$109.00	MM12T	feet/tenths	\$39.00
400M	100,000 meters	\$159.00	415M	metric 100,000 meters	\$169.00	MM-30	feet-inch	\$89.00	MM12M	metric	\$49.00
400D	dual counter, feet	\$199.00	415D	dual counter, feet	\$209.00	MM-30T	feet/tenths	\$89.00	MM12TWIN	feet/inches	\$49.00
400DM	dual counter metric	\$209.00	415MD	dual counter, metric	\$219.00	MM-30M	metric	\$99.00	MM12TWINT	feet/tenths	\$49.00
400PM	Paint Marker	\$179.00	600	large wheel ft	\$169.00	MM-30PM	feet/inches	\$139.00	MM12TWINM	metric	\$59.00
400PMM	Paint Marker metric	\$179.00	623	large wheel acre	\$199.00	MM-30PMM	metric	\$139.00	Model 112	feet/inch	\$109.00
400 CCB	case	\$25.00	623D	large wheel acre dual	\$239.00	30-CCB	Case	\$20.00	Model 112T	feet/tenths	\$109.00
									100 CCB	case	\$15.00



**Leica DISTO™ D8.**  
The most versatile lasermeter in the world!

Bluetooth communication.  
Slope indirect measure in 2 points.  
Range: 0.05m - 200m.  
Accuracy: +1 mm.  
Tilt sensor ±360°, integrated digital viewfinder (4-fold zoom), multi-function flip-out end piece, Pythagorean function, Area triangle measurement, trapezium function (width and slope of roof), angle measurement, indirect measurement, addition, subtraction, area, volume, min/max function.  
Screw thread for tripod.



**Leica DISTO™ D5**  
The 1st lasermeter with high resolution big color display.

Range: 0.05m - 200m.  
Accuracy: +1 mm.  
Tilt sensor ± 45°, integrated digital viewfinder (4-fold zoom), multi-function flip-out end piece, Pythagorean function, Area triangle measurement, trapezium function (width and slope of roof), angle measurement, indirect measurement, addition, subtraction, area, volume, min/max function.  
Screw thread for tripod.



**Leica DISTO™ D3**  
Range: 0.05m - 100m.  
Power Range Technology™.  
Accuracy: ±1.0mm.  
Integrated tilt sensor.  
Multifunctional end piece.  
Addition, subtraction, area, volume, min/max function.  
Indirect measurement, Solid angle calculation.  
Automatic keypad and 4-lines display illumination.  
Robust: IP 54 protected.



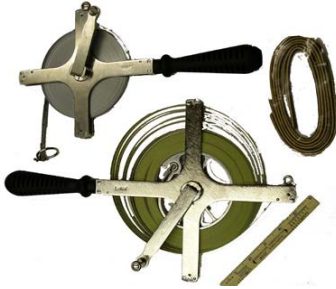
**Leica DISTO™ D2**  
The smallest laser distance meter.

Range: 0.05m - 60m.  
Accuracy: +1.5mm.  
Multifunctional end piece.  
Areas & volumes measurements.  
Addition, subtraction of areas & vol.  
Min/max function.  
Indirect measurement.  
4-lines display.  
Robust: IP 54 protected.

700000	D2	\$229.00
700001	D3	\$349.00
700002	D5	\$499.00
700003	D8	\$799.00



## Lufkin Peerless Chrome Tapes



C1676D	10ths 1/4" x 100ft. w/reel	\$290.00
--------	----------------------------	----------

### Yellow Tapes

Y1276D	10ths 1/4" x 100ft. w/reel	\$175.00
--------	----------------------------	----------

Y1676D	10ths 1/4" x 100ft with leader beyond zero mark.	\$175.00
--------	--	----------



### Keson Steel Tape

The strongest housing (stainless steel!) on the market. Tough, double nylon-coated steel blade assures long life under abuse. Rubber-grip shovel handle for comfortable, rapid reeling. Metal-reinforced crank handle for durability. Housing reinforced with rivets for superior strength.

SNR18100	100ft. ft., in., 1/8 hook end	\$79.99
SNR10100	100ft. ft., 1/10, 1/100 ring end with leader	\$79.99
SNR10100H	100ft. ft., 1/10, 1/100 hook end	\$79.99
SNR18200	200ft. ft., in., 1/8 hook end	\$99.99
SNR10200	200ft. ft., 1/10, 1/100 ring end with leader	\$99.99
SNR10200H	200ft. ft., 1/10, 1/100 hook end	\$99.99
SNR18300	300ft. ft., in., 1/8 hook end	\$179.99
SNR10300	300ft. ft., 1/10, 1/100 ring end with leader	\$179.99
SNR10300E	300ft. ft., 1/10, 1/100 ring end	\$179.99
SNR10300H	300ft. ft., 1/10, 1/100 hook end	\$179.99
SNR100M	100m metric (2 mm) ring end with leader	\$179.99
SNR100ME	100m metric (2 mm) ring end	\$179.99
SNR100MH	100m metric (2 mm) hook end	\$179.99



### Folding Rulers

1066D	6ft 10ths/in 1/2" wide	\$18.00
1066DM	6ft 10ths/metric 1/2" wide	\$18.00
Rhinorule	6ft 10ths/in fiberglass	\$17.00



### Keson Pocket Rods

PR618	6 1/2ft. Inches	\$19.95
PR610	6 1/2ft Tenths	\$19.95



2312D	12ft 10ths/in 3/4" wide	\$11.50
2325D	25ft 10ths/in 3/4" wide	\$20.00
2133D	33ft 10th/in.	\$18.50
XL8525D	25ft. 10th/in. 1 3/8" wide	\$14.00
HV1312D	12ft 10ths/in 3/4" wide	\$11.50
HV1325D	25ft 10ths/in 3/4" wide	\$14.50
HV1425D	25ft 10ths/in 1" wide	\$14.50
HV1425ED	25ft 10ths only wide	\$14.50
HV1433DM	33ft metric/tenths	\$25.00



## Keson Freewheeling Fiberglass Tapes

FLT10165	165' Grad in 10ths	\$46.90
FLT10200	200' Grad in 10ths	\$51.00
FLT18165	165' Grad in Inches	\$46.90
FLT18200	165' Grad in Inches	\$51.00
FLT18M165	165'/50M ft. in. on one side meters on other	\$46.90
FLT18M200	165'/50M feet inch on side meters on other	\$51.00
FLT50MM	50M in 2mm and 5mm	\$43.90



## CST Fiberglass Tapes

74-Y1001	100' 10ths	\$24.00
74-Y2001	200' 10ths	\$49.00
74-Y3001	300' 10ths	\$65.00



## Keson Measuring Wheels

### Heavy Duty Design

MP201	2ft. 100000 Feet	\$62.00
MP301	3ft. 100000 Feet	\$99.00
MP301M	1m. 100000 Meter	\$120.00
MP401	4ft. 100000 Feet	\$122.00
MP415	4ft. Solid Wheel Ft, 10ths	\$127.00
MP401E	4ft. Electronic, ft, in, 10ths, metric	\$155.00



**Seco Caltrans Vest Mesh Back Class III**  
ANSI/ISEA Class 3  
107-2004



**Seco Caltrans Vest Mesh Back Class II**  
ANSI/ISEA Class 2  
107-2004



**Seco Surveyor's Vest Class II**  
DOT MUTCD and ANSI/ISEA Class 2  
107-2004

SIZE	Flo Yellow	Flo Orange	Price
Large	8365-46-FLY	8365-46-FOR	\$105.00
XL	8365-50-FLY	8365-50-FOR	\$105.00
XXL	8365-54-FLY	8365-54-FOR	\$105.00
XXXL	8365-58-FLY	8365-58-FOR	\$105.00
XXXXL	8365-62-FLY	8365-62-FOR	\$110.00
Jumbo	8365-66-FLY	8365-66-FOR	\$110.00

SIZE	Flo Yellow	Flo Orange	Price
Large	8265-46-FLY	8265-46-FOR	\$95.00
XL	8265-50-FLY	8265-50-FOR	\$95.00
XXL	8265-54-FLY	8265-54-FOR	\$95.00
XXXL	8265-58-FLY	8265-58-FOR	\$95.00
XXXXL	8265-62-FLY	8265-62-FOR	\$100.00
Jumbo	8265-66-FLY	8265-66-FOR	\$100.00

SIZE	Flo Yellow	Flo Orange	Price
Small	8068-38-FLY	8068-38-FOR	\$70.00
Med.	8068-42-FLY	8068-42-FOR	\$70.00
Large	8068-46-FLY	8068-46-FOR	\$70.00
XL	8068-50-FLY	8068-50-FOR	\$70.00
XXL	8068-54-FLY	8068-54-FOR	\$70.00
XXXL	8068-58-FLY	8068-58-FOR	\$70.00
XXXXL	8068-62-FLY	8068-62-FOR	\$75.00
Jumbo	8068-66-FLY	8068-66-FOR	\$75.00

## Low Sale Prices



### ML Kishigo

**PERFORMANCE FEATURES:** Non ANSI Vest  
•100% polyester  
•1" wide reflective tape with 2" contrasting material  
•Zipper front closure  
**POCKETS:**  
•Two outside patch pockets with flaps, two upper pencil pockets and two inside patch pockets

SIZE	Orange	Lime	Price
Small	1091-S	1092-S	\$20.00
Medium	1091-M	1092-M	\$20.00
Large	1091-L	1092-L	\$20.00
XL	1091-1X	1092-1X	\$22.00
XXL	1091-2X	1092-2X	\$24.00
XXXL	1091-3X	1092-3X	\$26.00
XXXXL	1091-4X	1092-4X	\$28.00
XXXXXL	1091-5X	1092-5X	\$30.00



**Filson Style 012**

012-36	012-44	012-52
012-38	012-46	012-54
012-40	012-48	\$60.00 ea.
012-42	012-50	



### Cones and Signs

Cone 6"	\$4.00
Cone 12"	\$7.00
Cone 18"	\$10.00
Cone 28"	\$15.00
Reflective Sleeve	\$6.00
Cone Sign - Caution	\$10.00
Cone Sign - Arrow	\$10.00
Survey Crew Road Sign	Call for latest \$



### Hard Hats with Ratchet Suspension

Style	Style	Color	Price
Skullgard	Cap	Natural	\$65.00
Skullgard	Hat	Natural	\$70.00
Skullgard	Cap	White	\$65.00
Skullgard	Hat	White	\$70.00
V-Gard	Cap	Fl Orange	\$14.00
V-Gard	Hat	Fl Orange	\$18.00
V-Gard	Cap	White	\$14.00
V-Gard	Hat	White	\$18.00



### Stop Signs and Warning Flags

1600-18S-24	Flag 18" X 18" red / orange reinforced vinyl material	\$4.25
5950	Stop Sign, Hardboard (Stop / Slow)	\$16.50
5951	Stop Sign, Hardboard (Stop / Stop)	\$16.50
5960	Stop Sign, Metal Reflective (Stop / Slow)	\$28.50
5961	Stop Sign, Metal Reflective (Stop / Stop)	\$28.50



### Safety Light Strobe

SY-22010HM	Bright Xenon Flashing Strobe w/ Magnetic Base, 12Volt for Vehicle	\$89.00
SY575A	Single 12V Rotator, Magnetic Base	\$29.95
SY9360A	Dual 12V Rotator	\$119.00



### LED Flashing Light Bars

SYLEDX06A	6 Channel	\$90.00
SYLEDX09A	9 Channel	\$110.00



### Motorola RDX Radios

2 Watt Audio, 30% Louder

IP54/55 rain and shock proof

Li Ion Batteries

**Call for Quote**

RDV2020	VHF, 2 Watts/2 Channels	\$225.00
RDV2080d	VHF With Display, 2 Watts/8 Channels	\$265.00
RDV5100	VHF, 5 Watts/10 Channels	\$325.00
RDU2020	UHF, 2 Watts/2 Channels	\$245.00
RDU2080d	UHF with Display, 2 Watts/8 Channels	\$290.00
RDU4100	UHF, 4 Watts/10 Channels	\$360.00
RDU4160d	UHF, 4 Watts/16 Channels, Repeater capable	\$380.00



### CST Tool Pouches

11-740	7 Pocket Surveyors Pouch	\$30.00
11-741	6 Pocket Pouch	\$41.00
11-743	Heavy Duty Web Belt	\$6.00
11-744	8 Pocket Nail & Tool Bag	\$32.00
11-745	Leather Tape Holder 16'-25'	\$8.00



Every 24K, 100K, 250K, USGS and BLM Topographic Map on DVD

### ALL TOPO MAPS from iGage

High resolution royalty and attribute free raster images. The map scales are 1:24,000, 1:63 360 (AK only), 1:100,000 USGS, BLM, and 1:250,000 FS Topo map. The maps are provided state by state and are displayed with a full featured viewer.

Always the latest most, up-to-date maps available (web updatable).



813085	Concrete Drill, 10 in.	\$13.00
--------	------------------------	---------



21-100	Machete	\$16.00
21-101	Leather Sheath for Machete	\$23.00



11-554	Plumb grade checker hatchet	\$29.00
--------	-----------------------------	---------



4418GD	Gad	\$25.00
--------	-----	---------



46281	Sledge 2.5	\$12.00
46967	Sledge 3.0	\$14.00



4432DP	with diamond point tip	\$26.00
--------	------------------------	---------

4432FH	with flat head tip	\$26.00
--------	--------------------	---------

V7 Choose State	For the First State	\$245.00
V7 Choose State	Each Additional ST	\$125.00

### ATM GPS Tool

- Exchanges waypoints, routes, the tracks with all Garmin, Lowrance, Magellan, and Thales handheld GPS receivers (including USB and file based GPS systems).
- Live Tracking on your Laptop

### High Performance Professional Viewer:

- Search by geographic coordinates (Lat/Lon), UTM, MGRS, State Plane, and Section Township Range.
- Inverses in Great Circle, State Plane, and UTM projections; directly supports True, Magnetic, State Plane Grid and UTM Grid North References.
- Triangulation Tool Automatically computes intersections using mixed North Reference systems.
- High resolution Profiles and Line-of-Sight tools.
- Directly enter Aliquot Part and Metes and Bounds Surveys
- Measuring and Distance Tool.

### Add-On V7 Professional Tools

**Public Land Survey (PLS) Tool** State \$80.00  
 - Direct Display of Section, Township, Range down to 1/4 1/4 1/4.

**BigTopo 9 Professional** \$170.00

- Seams 1:24,000, 1:100,000 & 1:250,000 maps
- Reprojects to UTM, State-Plane and Lat/Lon
- Reprojects to adjacent UTP Zones
- Subsamples on-the-fly allowing huge maps

### Accessories

RPN4054A	Replacement plug-in charger	\$22.00
RLN6175A	Replacement desktop charge tray	\$28.00
RLN6304	2 Hour Rapid Charger	\$65.00
RLN6309	6 Unit Multi Charger	\$275.00
RLN6351	lithium ion battery - 1100 mAh	\$80.00
RLN6305	lithium ion battery - 2200 mAh	\$100.00
RLN6308	lithium ion battery - 2400 mAh	\$110.00
RLN6306	Alkaline battery frame	\$45.00
53863	Earpiece with short boom mic	\$72.95
53866	Earbud with clip mic & PTT	\$60.95
56517	Ear hanger w/ inline mic & PTT	\$24.95
E1-ET2MS131	Ear hanger with inline mic & PTT switch	\$22.95
56518	Ear hanger with short boom mic	\$24.95
53862	Remote speaker mic	\$62.95
E2-C2MG11	Remote speaker mic	\$37.44
RAN4033A	Stubby UHF antenna	\$20.00
RAN4031A	Standard UHF whip antenna	\$20.00
RAN4041A	Standard VHF helical antenna	\$20.00
RLN6303	Cloning cable	\$20.00
RKN4155	Programming cable for CPS	\$50.00
RLN6307	3" spring action belt clip	\$15.00
RLN6302	Leather case with 3" swivel	\$55.00

### Smart Tool

Accuracy to 1/10°



92288	SmartTool Electronic Level w/24" Rail	\$149.95
92296	SmartTool Electronic Level w/48" Rail	\$164.95
92346	SmartTool Module	\$125.95
92908	Level Case, 24"	\$22.50
92924	Level Case, 48"	\$36.95



## Absolute Accuracy Inc

### Surveying Equipment and Supplies:

Total Stations, GPS, Transits, Theodolites, Levels, Lasers, Tripods, Rods, Data Collection, Tapes, Measuring Wheels, Safety Vests, Plumb bobs, Prisms, Prism Poles, Bipods, Marking Paint, Tags, Radios, Stakes, Flagging, Metal Locators, Calculators, Plan Wheels



**800-821-9656 or 323-662-9237 or 323-662-2128**

**FAX 1-323-662-0904 Email [BBRP@Aol.com](mailto:BBRP@Aol.com)**

**2451 Riverside Drive - Los Angeles, CA 90039**

