

# ENGINEERING SUPPLY COMPANY

THE LEADER IN PRECISION POSITIONING SYSTEMS SINCE 1985

## 2009 FULL LINE CATALOG

### New Products

GLS-1000 Laser Scanner  
IS Imaging Station Robotic Scanner  
ImageMaster and SurveyMaster Software  
FC-2500/FC-120 Data Collectors  
TopSURV 7 Surveying Software  
GR-3 All-In-The-Sky GPS System  
XTrac 7 Advanced Robotics  
GMS-2 Pro GIS Unit  
Top-Net GPS Network

**There's No Limit To Your Productivity!**

With Quality Topcon Products And World Class Customer Service!

# ESC

Call Toll Free: 1-800-788-3307

[www.escsurvey.com](http://www.escsurvey.com)

Precision Positioning Systems For Land Surveyors And General Contractors

## TOPSURV 7 DATA COLLECTOR SOFTWARE

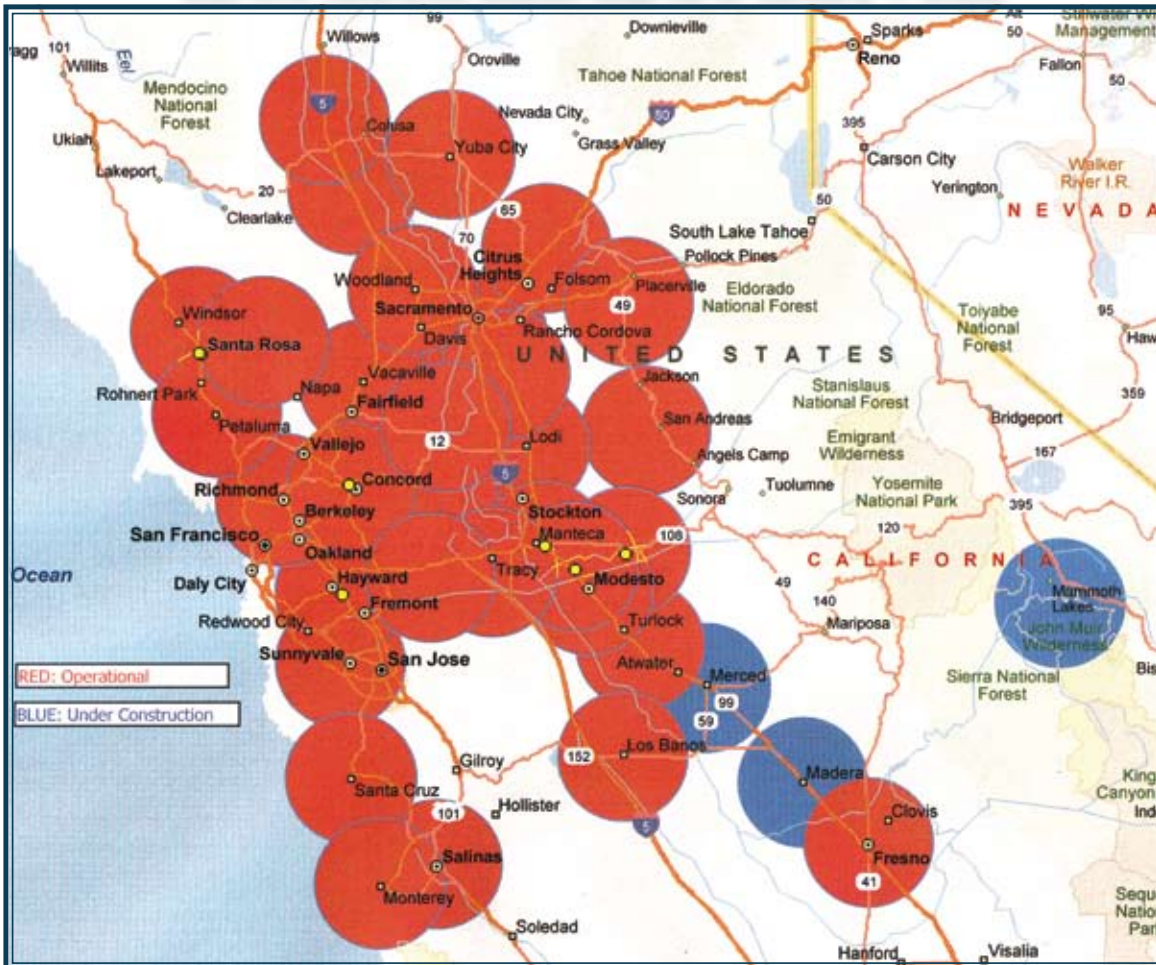
New! TopSURV 7 Offers A Multitude Of Expanded New Features and Enhancements!

TOPCON FC-100, FC-200 and FC-2500 Field Controllers  
With TopSURV 7 Advanced Surveying Software

**XTRAC 7**  
New! XTRAC-7  
Advanced Robotics



ESC RTK Reference Station Map As Of January 1, 2009



All ESC GNSS Reference Are Broadcasting GPS and Glonass Signals.

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**Great customer service and quality products will be remembered long after price is forgotten!**



**To Order, Call Toll Free: 1-800-788-3307**

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Issue Date: January 1, 2009

Prices in this catalog are subject to change without notice!

Printing Errors within this catalog are subject to correction.

  
**New! XTRAC-7**  
 Advanced Robotics



**NEW! Topcon GLS-1000 Scanner**  
 Advanced Features

- Built-In WiFi "Wireless"
- 3000 Points per Second
- 500' Range with 4mm Accuracy
- Wireless "Cable Free" Operation
- Intergrated Digital Camera
- Dual Axis Compensation
- Total Station Style Over-Point Setup
- "Small" Compact Design
- Advanced ScanMaster Software



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**Our Low Prices Will Earn Your Business, The Great Customer Service Will Keep It!**



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*Our Low Prices Will Earn Your Business, The Great Customer Service Will Keep It!*

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## Precision Positioning Systems For Land Surveyors And General Contractors

### TOPCON IS

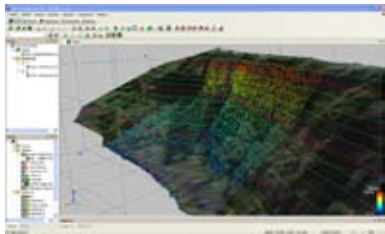
Long Range Scanning & Imaging Total Station  
Topcon's New Laser Scanning Alternative From The World Leader In Digital Imaging.



#### Introducing Photo Fieldbook

View the exact site without returning to the field!

- A Robotic Instrument and and Much More
- Two Digital Cameras, Wide Angle, 30X Tele Zoom
- Innovative , Completely Cable-Free Design
- Intelligent Scan Feature Recognition
- Internal 2.4GHz Radio For Remote Robotics
- 6,500' (2000M) Reflectorless Range
- Remote Image Display By TopSURV
- WiFi For Remote Connection and Operation
- Scan with Live Imaging



The power, accuracy and speed of a Total Station with auto-scanning capabilities of a Laser Scanner: Topcon's IS takes material management, as-built design and structural/environmental monitoring out of the clouds and puts it at your finger tips.

#### A new way to scan

Topcon's IS combines the best of two worlds, advanced imaging and surveying, incorporating, real-time field imagery with spatial data. The IS's powerful functionality is controlled using Topcon's exclusive ImageMaster software that produces "photography with dimension", a revolutionary and cost effective alternative to laser scanning.

#### ImageMaster Software

ImageMaster provides image and scan control of the IS through WiFi connection providing remote operation from the comfort of your vehicle or even an offsite location. Images are gathered using two digital cameras and stream video up to 10 fps. In addition to scanned and measured points, images can be used to provide additional "fill-in" data through the power of Topcon photogrammetry. All the functionality of Topcon's PI-3000 Image Modeler Software is included in ImageMaster. This gives you the ability to model and measure horizontal and vertical distance information across the entire image, even in between scanned points!

#### How it works:

Topcon's IS features dual digital imaging CMOS cameras providing a color, real-time image on the touch sensitive LCD display. To define a scan area, simply tap the image display, or for uniform measurement of an area, select the auto-grid feature. The IS "locks" these points to their exact position on the image, even when the instrument is rotated. Once all points to be measured are chosen, the IS performs a reflectorless measurement of each point.

#### Select a point - as precisely as you need

For the highest degree of data accuracy, clarity of image is key. That's why Topcon incorporates telescopic zoom with a QVGA LCD. Using the telescope, pinpoint features to be measured or monitored precisely up to 6500' away. No guessing at pixels on a blurry image!

#### Continuous monitoring

With a WiFi connection, image-based monitoring can be done continuously and remotely. Whether done with mounted prisms or reflectorlessly, this monitoring function compliments the everyday use function of our robotic surveying. The IS features Bluetooth and WiFi wireless technology making continuous monitoring easy.

Stock#	Description	Ea	ESC Price
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### TOPCON GLS-1000

COMPACT, OPERATOR-FRIENDLY LASER SCANNER  
Mass Point Collection Laser Scanner With Internal Batteries, Built-In Digital Camera and Wireless Connectivity

Topcon's GLS-1000 Laser Scanner Combines Advanced Technology With An Operator-Friendly Design.

- Compact All-In-One Design
- On-Board Hot-Swappable Lithium-Ion Batteries
- SD Card Data Storage
- Class 1 Invisible, Eye-Safe Pulse Laser
- Built-In 2.0 Megapixel Digital Camera
- Wireless LAN & USB Connectivity
- Dual-Axis Compensators
- 3000 Points per Second Scan Rate
- 1100' (330M) Max-Range At 90% Reflective
- 500' (150M) Max-Range At 18% Reflective



#### All-In-One Design

Topcon's GLS-1000 laser scanner leaves nothing behind, except the competition. The operator-friendly design allows for quick and hassle-free setups which saves time and improves productivity. With batteries and data collector on-board, Topcon's GLS-1000 is lightweight and cable free. Transportation is a cinch. While other laser scanners take two people to unload, setup, operate and load, the GLS-1000 is a true one man instrument.

## ImageMaster Software

PC Based Imaging Station Control and Post-Processing software capable of 3D point cloud management and photogrammetric modeling.

#### Imaging Station Control

ImageMaster controls the data collection functionality of the Imaging Station (IS). The software allows you to define the area of interest to record both photographs and the density of point cloud collected.

#### Photo Field Book Display

ImageMaster provides a panoramic view of field photos. When automatically stitched together, a group of photos can make up to a 360 degree angle referenced photo field-book.

#### Survey Annotation

Once a point cloud is collected, points, lines and polygons can be drawn and annotated. Survey points and annotations can be assigned to individual point in the point cloud.

#### 3D Image Modeler Functionality (Pro Version Only)

3D photography modeling can be done in ImageMaster. Stereo pair photographs can be used to make 3D models from photo alone.

#### Remote WiFi Control

Unique only to Topcon, ImageMaster can connect to the ImagingStation (IS) via WiFi. This remote connection allows full control of the IS from the comfort of a vehical or office.

Lite Edition .....Intended for GPT-7000i packages with field orientation software

IS Edition ..Controls the IS via WiFi connection and makes 3D TINS and photo textured surfaces of IS collected data only. (No stereo pair photography)

Standard Edition ..... Includes all IS edition features plus editing of IS scanned data with full survey tools such as volume and cross section calculations

Pro Edition ..... Includes all features plus all PI-3000 Photp Modeler software features This is the replacement to PI-3000 software

- Call Toll Free 1-800-788-3307 -

Our Low Prices Will Earn Your Business, The Great Customer Service Will Keep It!

Stock#	Description	Ea	ESC Price
<b>■ IS IMAGING TOTAL STATION</b>			
05-06-0401	IS 1 1" Imaging Total Station, 60663.....	Ea	\$42,900.00
05-06-0403	IS 3 3" Imaging Total Station, 60664.....	Ea	\$39,900.00
05-10-0300	ImageMaster IS Software 60665 (Included with IS).....	Ea	\$0.00
05-10-0300	ImageMaster Lite Software 60668.....	Ea	\$4,000.00
05-10-0310	ImageMaster Standard Software 60666.....	Ea	\$5,800.00
05-10-0320	ImageMaster Pro Software 60667.....	Ea	\$15,000.00
<b>■ GLS-1000 LASER SCANNER SYSTEM</b>			
05-10-0001	GLS-1000 Laser Scanner Hardware, 60782.....	Ea	\$74,990.00
05-10-0125	Scanner Hardware Maintenance, 60783.....	Ea	\$7,500.00
05-10-0201	ScanMaster Software Suite, 60787.....	Ea	\$1,250.00
05-10-0220	Scanner Software Maintenance, 60784.....	Ea	\$1,250.00
<b>■ GTS-900A SERIES (AUTO-TRACKER)</b>			
05-06-0501	GTS-901A 1" Auto-Tracker.....	Ea	\$25,450.00
05-06-0502	GTS-903A 3" Auto-Tracker.....	Ea	\$23,200.00
05-06-0503	GTS-905A 5" Auto-Tracker.....	Ea	\$22,540.00
<b>■ GPT-9000A SERIES LR-PRISMLESS</b>			
05-06-0504	GPT-9001A 1" LR-Reflectorless-Auto-Tracker.....	Ea	\$30,250.00
05-06-0505	GPT-9003A 3" LR-Reflectorless-Auto-Tracker.....	Ea	\$27,300.00
05-06-0506	GPT-9005A 5" LR-Reflectorless-Auto-Tracker.....	Ea	\$26,540.00
<b>■ ROBOTIC ACCESSORIES</b>			
05-06-0551	FC-200 Radio-Robotic Kit, w/RC-3 256MB.....	Ea	\$9,950.00
05-06-0552	FC-200 Radio-Robotic Kit, w/RC-3 512MB.....	Ea	\$10,150.00
05-06-0561	FC-2200 Radio-Robotic Kit, w/RC-3.....	Ea	\$10,878.00
05-06-0562	FC-2200 Optical-Robotic Kit, w/RC-3.....	Ea	\$9,188.00
05-06-0601	RC-3 Complete.....	Ea	\$3,600.00
05-06-0603	A7R 360° Prism for RC-3.....	Ea	\$1,495.00
05-06-0604	A7S 360° Prism.....	Ea	\$1,495.00
05-06-0606	Battery Charger, BC-30D, For 900/9000/IS.....	Ea	\$195.00
05-06-0607	Battery, BT-65Q, GTS-900A/GPT-9000A.....	Ea	\$195.00
05-06-0608	12V Battery Cable CP GTS-900A/GPT-9000A.....	Ea	\$85.00
<b>■ ROBOTIC ACCESSORIES (Continued)</b>			
05-06-0609	12V Battery Cable AC GTS-900A/GPT-9000A.....	Ea	\$105.00
05-06-0610	Bantam X-3 Robotic Radio System "Wireless".....	Pr	\$1,695.00
05-06-0611	Bantam X-2 Robotic Radio System.....	Pr	\$1,495.00
05-06-0612	Bantam Wireless Instrument Interface.....	Pr	\$395.00
05-06-0613	Fantam Radio Modem, GPT-9000/GTS-900.....	Ea	\$1,995.00
05-06-0079	RC-2WN Quick-Lock.....	Ea	\$3,190.00
05-06-0080	Radio Modem, Satel 3ASd.....	Ea	\$1,540.00
05-06-0081	Battery, For Satel Radio Modem.....	Ea	\$260.00
05-06-0082	Radio Battery/Interface Mount.....	Ea	\$87.00
05-06-0084	Radio Antenna 1/2 Wave (Long).....	Ea	\$115.00
05-06-0085	Cable, Satel Radio-Instrument.....	Ea	\$100.00
05-06-0086	Radio Antenna 1/4 Wave (Short).....	Ea	\$35.00
05-06-0087	Cable, Satel Radio-Data Collection.....	Ea	\$60.00
05-06-0088	Charger, F/Satel Radio Battery.....	Ea	\$87.00
05-06-0089	Soft Case, For Satel Radio.....	Ea	\$47.00
05-06-1840	Diagonal Eyepiece (See 05-05-0027).....		
05-06-1841	Solar Reticle (See 05-05-0028).....		
05-06-1844	Solar Filter (See 05-05-0029).....		
05-06-1857	BC-27BR Charger See 05-06-2126.....		
05-06-1870	Day-Saver PS-90 Battery W/Charger.....	Ea	\$170.00
05-06-1875	Day-Saver T-32 Power Cable.....	Ea	\$52.00
05-06-1876	Day-Saver (Replacement Cell).....	Ea	\$31.95
05-06-1877	Day-Saver (A-30 Charger Only).....	Ea	\$59.00

**GTS-900A SERIES  
GPT-9000A SERIES**

Faster, Lighter, Smaller, Longer

- Innovative, completely cable-free system design
- Superior X-TRAC 7 Quick-Lock tracking technology
- Full-color, graphical Windows Mobile instrument interface
- Integrated interference free 2.4 GHz SpSp radio modem
- Super-Range Reflectorless (2000m+) "GPT-9000A Series"



New! X-TRAC-7  
Advanced Robotics



The Topcon GPT-9000A/GTS-900A series robotic Total Stations are the latest, most advanced system on the market today combining a new modern design and advanced technology.

**Long Range Reflectorless Technology (9000A)**

For the times when the job site or circumstances make using a prism inconvenient or dangerous, the GPT-9000A series utilizes Long Range pulse-laser technology, for measuring high accuracy reflectorless distances to over 6,500'.

**900A/9000A Series Special Features**

A Completely cable-free design with wireless Bluetooth technology. Built-in 2.4 GHz interference free SpSp Radio communication system. Advanced X-TRAC 7 tracking technology works without expensive, special prisms. Innovative direction anticipation tracking technology allows walk-thru jobsite prism tracking. Job site obstacles that disrupt the tracking beam are no longer a problem, the new X-TRAC 7 technology instantly re-acquires lock on the prism at the press of a button.

**Total Station Specifications**

Models	GPT-9001A GTS-901A	GPT-9003A GTS-903A	GPT-9005A GTS-905A
<b>Auto-Tracking:</b>	Max Rotation Speed: 50°/sec. Max Auto Track Speed: 12°/sec. Auto-Track Range: 2,600' (800m) Tracking Accuracy: 3" std/dev.		
<b>Telescope</b>			
Magnification	30X*	30X*	30X*
Field Of View	1° 30'	1° 30'	30X*
Minimum Focus	1.3m	1.3m	1.3m
<b>Angle Measurement</b>			
Measure Method	Absolute Encoder	Absolute Encoder	Absolute Encoder
Minimum Reading	0.5/1"	1/5"	1/5"
Angle Accuracy**	1"	3"	5"
**Standard deviation based on DIN 18723			
<b>Distance Measurement</b>			
Range: 1 prism		9,800+'	(3,000m)
Non-Prism (9000A Series Only)	2,000m	2,000m	2,000m
Compensating Range		6'	
<b>Operating System</b>	Microsoft Windows CE NET 4.2		



## Precision Positioning Systems For Land Surveyors And General Contractors

The widest selection of precision instruments and a commitment to quality products and service have made Topcon the Number 1 Instrument manufacturer in the World.

Finally, an on-board solution that makes hands free surveying a reality, with advanced reflectorless capability that out performs all other instruments in its class! The GPT-7500 series.



### GPT-750 GPT-7500 Series

Professional Series  
Windows CE Total Stations  
w/on-board TopSURV  
Software

- Long range reflectorless (7500 series) up to (2,000m)
- Advanced 400MHz Windows CE Operating System
- TopSURV on-board data collection software
- Large backlit keypad w/bright color touch screen LCD display
- Built-in CCD Camera with Wide view (GPT-7000i series)
- High capacity (5000mAh) Batteries
- Compact Flash card Slot

Stock#	Description	Ea	ESC Price
<b>■ GPT-7500 LONG RANGE REFLECTORLESS</b>			
05-05-0001	GPT-7501, 1" LR Reflectorless CE .....	Ea	\$16,490.00
05-05-0003	GPT-7503, 3" LR Reflectorless CE .....	Ea	\$13,090.00
05-05-0005	GPT-7505, 5" LR Reflectorless CE .....	Ea	\$11,290.00
<b>■ GPT-7000i IMAGING TOTAL STATION</b>			
05-05-0007	GPT-7001i, 1" Reflectorless CE .....	Ea	\$20,490.00
05-05-0008	GPT-7002i, 2" Reflectorless CE .....	Ea	\$18,690.00
05-05-0009	GPT-7003i, 3" Reflectorless CE .....	Ea	\$17,090.00
05-05-0010	GPT-7005i, 5" Reflectorless CE .....	Ea	\$15,290.00
<b>■ GTS-750 WINDOWS CE SERIES</b>			
05-05-0016	GTS-751, 1" Total Station.....	Ea	\$14,490.00
05-05-0018	GTS-753, 3" Total Station.....	Ea	\$11,090.00
05-05-0019	GTS-755, 5" Total Station.....	Ea	\$9,290.00
<b>■ GTS-230W SERIES "WIRELESS"</b>			
05-05-0181	GTS-233W 3" Total Station Laser Plummet.....	Ea	\$8,390.00
05-05-0182	GTS-235W 5" Total Station Laser Plummet.....	Ea	\$7,090.00
05-05-0183	GTS-236W 6" Total Station Laser Plummet.....	Ea	\$6,290.00
05-05-0184	GTS-239W 9" Total Station Laser Plummet.....	Ea	\$5,790.00
<b>■ GPT-3100W "PRISMLESS/WIRELESS"</b>			
05-05-0211	GPT-3102W 2" Reflectorless, 350M .....	Ea	\$11,290.00
05-05-0212	GPT-3103W 3" Reflectorless, 350M .....	Ea	\$9,290.00
05-05-0213	GPT-3105W 5" Reflectorless, 350M .....	Ea	\$8,290.00
05-05-0214	GPT-3107W 7" Reflectorless, 350M .....	Ea	\$7,090.00



### GPT-7000i Series

Digital Imaging Total Station

Topcon revolutionizes surveying with another World's First Technology. The GPT-7000i features a built-in digital camera for capturing job site images. The GPT-7000i provides you the best performance and most efficient surveying with precise long range EDM, TFT color graphic display, and the latest Windows CE technology, and the addition of image information.

## ImageMaster Software

PC Based Imaging Station Control and post-Processing software capable of 3D point cloud management and photogrammetric modeling.

### Advanced Features

- Calculation & display of model x-sections
- Multiple export formats (DXF, ASCII, VRML)
- Calculation and display of contour lines
- Area and volume calculations
- Distance measurements
- Tin model generation
- 3D rendered models
- Ortho image support



### Total Station Specifications

Model	GTS-7501	GTS-7503	GTS-7505
<b>Telescope</b>	30X*	30X*	30X*
<b>Magnification</b>	30X*	30X*	30X*
<b>Image</b>	Erect	Erect	Erect
<b>Field Of View</b>	1° 30'	1° 30'	1° 30'
<b>Minimum Focus</b>	1.3m	1.3m	1.3m
<b>Resolving Power</b>	2.5"	2.5"	2.5"
<b>Angle Measurement</b>			
<b>Measure Method</b>	Absolute Reading	Absolute Reading	Absolute Reading
<b>Minimum Reading</b>	0.5/1"	1/5"	1/5"
<b>Angle Accuracy**</b>	1"	3"	5"
**Standard deviation based on DIN 18723			
<b>Distance Measurement</b>			
1 prism (Condition 1)	3,000m	3,000m	3,000m
None Prism Mode:	2000m	2000m	2000m
*Slight haze with visibility of 20km ( 12.5 miles ) moderate sunlight with light heat shimmer.			

Model	GTS-751	GTS-723	GTS-725
<b>Telescope</b>	30X*	30X*	30X*
<b>Magnification</b>	30X*	30X*	30X*
<b>Image</b>	Erect	Erect	Erect
<b>Field Of View</b>	1° 30'	1° 30'	1° 30'
<b>Minimum Focus</b>	1.3m	1.3m	1.3m
<b>Resolving Power</b>	2.5"	2.5"	2.5"
<b>Angle Measurement</b>			
<b>Measure Method</b>	Absolute Reading	Absolute Reading	Absolute Reading
<b>Minimum Reading</b>	0.5/1"	1/5"	1/5"
<b>Angle Accuracy**</b>	1"	3"	5"
**Standard deviation based on DIN 18723			
<b>Distance Measurement</b>			
1 prism	9,900'	9,900'	9,900'
3 prism	13,200'	13,200'	13,200'
9 prism	16,400'	16,400'	16,400'
*Slight haze with visibility of 20km ( 12.5 miles ) moderate sunlight with light heat shimmer.			



- Call Toll Free 1-800-788-3307 -

Our Low Prices Will Earn Your Business, The Great Customer Service Will Keep It!

Stock#	Description	Ea	ESC Price
<b>■ GPT-3000LW LONG RANGE PRISMLESS/WIRELESS</b>			
05-05-0222	GPT-3002LW 2" Reflectorless, 1,200M.....	Ea	\$12,490.00
05-05-0223	GPT-3003LW 3" Reflectorless, 1,200M.....	Ea	\$10,490.00
05-05-0225	GPT-3005LW 5" Reflectorless, 1,200M.....	Ea	\$9,490.00
<b>■ ACCESSORIES</b>			
05-05-0256	On-Board NiMH Battery BT-52QA.....	Ea	\$217.00
05-05-0257	On-Board Nicad Battery BT-32Q.....	Ea	\$217.00
	Charger BC-27BR See 05-06-2126 .....		
	Diag-Eyepiece (See 05-05-0027).....		
	Solar Reticle (See 05-05-0028).....		
	Solar Filter (See 05-05-0029).....		
05-05-0025	Battery Charger BC-30B (120v).....	Ea	\$195.00
05-05-0026	On-Board Battery BT-61Q.....	Ea	\$175.00
05-05-0027	Diagonal Eyepiece 10 .....	Ea	\$317.00
05-06-1905	Total Station Back Pack .....	Ea	\$250.00
05-06-1910	Topcon Survey Umbrella.....	Ea	\$114.95
<b>■ BATTERIES, TOTAL STATIONS MISC.</b>			
05-06-1831	Battery, BT-56Q GTS-800/10/000 .....	Ea	\$235.00
05-06-2105	BT-32Q GTS-220/210/200/GPT All .....	Ea	\$217.00
05-06-2107	BT-30Q GTS-500/510/700/710 .....	Ea	\$473.00
05-06-2112	BT-50Q GTS-600/600AF GPT-6000 .....	Ea	\$235.00
<b>■ VEHICLE QUICK CHARGERS</b>			
05-06-2143	Universal Charger Base Unit w/o Cable.....	Ea	\$165.00
05-06-2144	Cable Only, GTS-3/3B/4/ITS (4-Pin) .....	Ea	\$85.00
05-06-2145	Cable Only, GTS-200/210 GPT.....	Ea	\$85.00
05-06-2146	Cable Only, GTS-300/310/510/710 .....	Ea	\$85.00
05-06-2147	Cable Only, GTS-220/2000/600/800/8000 (3-Pin) .....	Ea	\$85.00

**Total Station Specifications**

Model	GTS-233W	GTS-235W	GTS-236W	GTS-239W
<b>Telescope</b>				
Magnification	30X*	30X*	30X*	30X*
Image	Erect	Erect	Erect	Erect
Field Of View	1° 30'	1° 30'	1° 30'	1° 30'
Minimum Focus	1.3m	1.3m	1.3m	1.3m
Resolving Power	2.5"	2.5"	2.5"	2.5"
<b>Angle Measurement</b>				
Measure Method	Absolute Reading	Absolute Reading	Absolute Reading	Absolute Reading
Minimum Reading	1/5"	1/5"	1/5"	5/10"
Angle Accuracy**	3"	5"	6"	9"
**Standard deviation based on DIN 18723				
<b>Distance Measurement</b>				
1 prism	9,900'	9,900'	9,900'	6,600'
3 prism	13,200'	13,200'	13,200'	8,900'
9 prism	16,400'	16,400'	16,400'	11,200'
*Slight haze with visibility of 20km ( 12.5 miles ) moderate sunlight with light heat shimmer.				

Model	GPT-3002W	GPT-3003W	GPT-3005W	GPT-3007W
<b>Telescope</b>				
Length/Obj-Lens Diam.	150/45mm	150/45mm	150/45mm	150/45mm
Magnification	30X	30X	30X	30X
Image	Erect	Erect	Erect	Erect
Field Of View	1° 30'	1° 30'	1° 30'	1° 30'
Minimum Focus	1.3m	1.3m	1.3m	1.3m
Resolving Power	2.8"	2.8"	2.8"	2.8"
<b>Angle Measurement</b>				
Measure Method	Absolute Reading	Absolute Reading	Absolute Reading	Absolute Reading
Minimum Reading	1/5"	1/5"	1/5"	5/10"
Angle Accuracy**	2"	3"	5"	7"
<b>Distance Measurement</b>				
Prism Mode: (1 prism*)	9,900'	9,900'	9,900'	9,400'
**None-Prism Mode:	5 to 820'	5 to 820'	5 to 820'	5 to 820'
*Slight haze with visibility of 20km ( 12.5 miles ) moderate sunlight with light heat shimmer.				
**(Target: Kodak White)				



Hard Working Surveying Instruments, Built To Perform For Years!

**GTS-230W Series**

World's First Wireless Total Stations

Built-In Bluetooth  
New Larger LCD Display  
NiMH 10 Hour Battery  
Up to 16,000 Points  
Stored Internally



**NEW! GPT-3100W GPT-3000LW Series**

Dual-Optical Reflectorless Total Stations  
Introducing The New GPT-3100W and GPT-3000LW Long Range Series Reflectorless Total Stations!

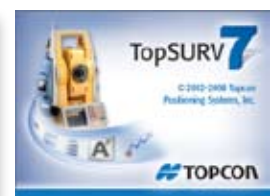


- Built-In Bluetooth For Wireless Comm.
- Up To 1,200m Reflectorless (GPT-3000LW)
- Up To 350m Reflectorless (GPT-3100W)
- Auto-Focus Beam For Optimum Accuracy
- Built-In Laser Pointer Targets Exact Point
- Over 3000 Meters To A Prism
- Waterproof/Dust proof Construction IP66

**NEW! TOPSURV 7**

Advanced Controller Software Performance Has A New Number

Receive Up To \$1,500<sup>00</sup> Trade-In Credit!



- Large Icon Based Graphic User Interface
- Built-In Bluetooth wireless and WiFi
- Advanced Import/Export, coding and setup
  - 128-Mb Ram, 2-GB ROM
  - 624Mhz X-Scale processor
- Easy access USB flash drive adaptor
- Integrated 5.17 Mega pixel color camera
- Optional integrated RS-1 Sp-Sp radio for robotics
- Accessible battery compartment for quick changing

## Precision Positioning Systems For Land Surveyors And General Contractors

### TOPCON GR-3

#### G3 CAPABLE GNSS RECEIVER

#### Introducing The Most Advanced GPS+ Receiver System Ever Made. The New Topcon GR-3

The new Topcon GR-3 receiver represents the next generation of advanced system design and tracking technology from Topcon, and truly sets new standards of performance, accuracy, and innovative receiver design. It is the World's First G3 (GPS, Glonass, Galileo) capable GNSS receiver, and a clear indication of Topcon's technology leadership in the satellite positioning industry!



- G3 GPS, Glonass and Galileo tracking w/72 Universal channels
- New digital UHF Model w/advanced DSP technology
- Operational Range 3.5 to 5 miles (UHF-DSP Model)
- Paccrest PDL, Trimtalk and Simplex protocols supported (UHF)
- Long Life Battery, 13 hrs Rover, 9 hrs Base.
- Bluetooth Wireless Technology
- Advanced Magnesium I-beam Design
- Optional Internal CDMA Internal Cell Modem
- Dual-function: Each Unit Can Be A Base Or Rover

### NEW! Hiper Ga/Gb Series



- Innovative, rugged, cable-free design
- Dual Constallation GPS and Glonass Tracking (Ga model)
- Advanced Digital UHF Modem, PacCrest Compatible
- No Range Limitation
- Bluetooth Wireless Technology
- Powerful 40 Channel GNSS board capable of 20hz operation
- OAF upgradeable internal memory, RTK Hz, GGD (Ga model)

### HiperLite +

Wireless RTK GPS+ Receiver with internal long-range UHF

- Powerful Internal 915+ Spread Spectrum Radio
- Up To 2.5 Miles Range
- Bluetooth cable free base & rover or rover & rover RTK system
- Glonass Capable
- 40 Channel Dual-Frequency GPS Technology

Stock#	Description	Ea	ESC Price
<b>■ TOPCON GR-3 RTK SYSTEMS (BASE AND ROVER)</b>			
05-08-0101	GR-3 915+ W.STD G3 Options 1.5 Mile Range.....	Ea	\$29,900.00
05-08-0102	GR-3 UHF W.STD G3 Options 1.5 Mile Range.....	Ea	\$32,900.00
05-08-0103	GR-3 915+ W.STD G3 Options Unlimited Range.....	Ea	\$34,900.00
05-08-0104	GR-3 UHF W.STD G3 Options.....	Ea	\$37,900.00
05-08-0105	GR-3 CDMA/915+ W.STD G3 Options Verizon.....	Ea	\$40,900.00
05-08-0106	GR-3 CDMA/UHF W.STD G3 Options Sprint.....	Ea	\$40,900.00
05-08-0125	GR-3 Base Accessory Kit.....	Ea	\$1,795.00
<b>■ TOPCON GR-3 RTK ROVERS</b>			
05-08-0151	GR-3 915+ W.STD G3 Options 1.5 Mile Range.....	Ea	\$15,000.00
05-08-0152	GR-3 UHF W.STD G3 Options 1.5 Mile Range.....	Ea	\$16,500.00
05-08-0153	GR-3 915+ W.STD G3 Options Unlimited Range.....	Ea	\$17,500.00
05-08-0154	GR-3 UHF W.STD G3 Options.....	Ea	\$19,000.00
05-08-0155	GR-3 CDMA/UHF W.STD G3 Options Verizon.....	Ea	\$20,500.00
05-08-0156	GR-3 CDMA/UHF W.STD G3 Options Sprint.....	Ea	\$20,500.00
05-08-0175	GR-3 Rover Accessory Kit.....	Ea	\$995.00
<b>■ G3 OAF OPTIONS (Per Receiver)</b>			
05-08-0201	OAF, G3, Glonass L1/L2 Tracking.....	Ea	\$3,500.00
05-08-0202	OAF, G3, Unlimited Range.....	Ea	\$2,500.00
05-08-0203	OAF, G3, RTK 10Hz.....	Ea	\$3,000.00
05-08-0204	OAF, G3, RTK 20Hz.....	Ea	\$3,500.00
05-08-0205	OAF, G3, GPS L5 Tracking.....	Ea	\$2,500.00
05-08-0206	OAF, G3, Galileo Tracking.....	Ea	\$3,000.00
<b>■ TOPCON HIPER RTK SYSTEMS (BASE AND ROVER)</b>			
05-08-0251	Hiper Lite+ Basic 1Hz, GD.....	system	\$27,400.00
05-08-0252	Hiper Lite+ Basic 1Hz, GGD.....	system	\$34,000.00
05-08-0253	Hiper Lite+ Prof, 5Hz, GD 8MB Topcon Tools.....	system	\$32,900.00
05-08-0254	Hiper Lite+ Prof, 5Hz, GGD 8MB Topcon Tools.....	system	\$40,495.00
05-08-0275	Hiper Ga System GD 5hz, 32Mb TX/RX.....	system	\$33,500.00
05-08-0276	Hiper Ga System GGD 5hz, 32Mb.....	system	\$41,100.00
05-08-0277	Hiper Gb System GD 5hz, 8Mb.....	system	\$23,895.00
05-08-0290	Ga/Gb Dual Configuration Kit Hiper 440-470 MHz.....	Ea	\$95.00
<b>■ TOPCON HIPER RTK ROVER KITS</b>			
05-08-0301	Hiper Lite+ 1Hz, GD.....	Ea	\$13,000.00
05-08-0302	Hiper Lite+ 1Hz, GGD.....	Ea	\$16,300.00
05-08-0303	Hiper Lite+ 5Hz, GD.....	Ea	\$14,750.00
05-08-0304	Hiper Lite+ 5Hz, GGD.....	Ea	\$18,550.00
05-08-0350	Hiper Ga Rover GD 5hz RTK, Rx Only.....	Ea	\$15,945.00
05-08-0351	Hiper Ga Rover GGD 5hz RTK, RX Only.....	Ea	\$19,945.00
05-08-0352	Hiper Gb Rover GD 5hz RTK.....	Ea	\$11,945.00
05-08-0375	Ga/Gb Single Configuration Kit Hiper 440-470 MHz.....	Ea	\$50.00
<b>■ TOPCON GB BASE KITS W/TRL-35 RADIO &amp; BATT.</b>			
05-08-0401	GB-1000 RTK Base Kit 5Hz GD w/TRL-35 Radio.....	Ea	\$18,445.00
05-08-0402	GB-1000 RTK Base Kit 5Hz GGD w/TRL-35 Radio.....	Ea	\$21,945.00
05-08-0403	GB- 500 RTK Base Kit 5Hz GD w/TRL-35 Radio.....	Ea	\$17,445.00
05-08-0404	GB- 500 RTK Base Kit 5Hz GGD w/TRL-35 Radio.....	Ea	\$20,945.00
<b>■ TOPCON REFERENCE STATIONS</b>			
05-08-0425	NET-G3 Receiver w/Standard Options.....	Ea	\$18,500.00
05-08-0426	Odyssey RS Reference Station w/PG-A1 Antenna.....	Ea	\$16,495.00
<b>■ TOPCON HIPER STATIC RECEIVER SYSTEMS</b>			
05-08-0475	Hiper L1 Receiver Kit.....	Ea	\$3,995.00
05-08-0476	Hiper L1 Basic System Kit (2 Unit Kit).....	Ea	\$8,985.00
05-08-0477	Hiper L1 3-Unit System Kit.....	Ea	\$12,980.00
05-08-0478	Hiper L1 Dual Frequency Upgrade Kit (2-Receivers).....	Ea	\$6,000.00
05-08-0479	Hiper L1 Dual Frequency Static System Kit (2-Receivers).....	Ea	\$14,985.00

**Net-G3 W/CR-G3**  
Choke Ring Antenna w/Dome



**Hiper**  
STATIC SYSTEMS



- Call Toll Free 1-800-788-3307 -

Our Low Prices Will Earn Your Business, The Great Customer Service Will Keep It!

Stock#	Description	Ea	ESC Price
<b>■ TOPCON TOOLS 7 GPS SOFTWARE (Key Code)</b>			
05-09-0100	Tools Imaging Design, Total Station Bundle.....	Ea	\$2,795.00
05-09-0101	Tools GIS Module.....	Ea	\$400.00
05-09-0102	Tools Post Processing+Advanced.....	Ea	\$2,500.00
05-09-0103	Tools Imaging Module (2).....	Ea	\$995.00
05-09-0104	Tools Design Module.....	Ea	\$1,200.00
05-09-0105	Tools Post Processing.....	Ea	\$2,000.00
05-09-0106	Tools RTK.....	Ea	\$500.00
05-09-0107	Tools Total Stations.....	Ea	\$400.00
05-09-0108	Tools Advanced Post Processing.....	Ea	\$250.00
05-09-0109	Tools Complete.....	Ea	\$5,000.00
05-09-0110	Tools GIS High Accuracy (Requires GIS Module).....	Ea	\$250.00
05-09-0111	Tools GIS Professional Bundle (GIS w/High Acc).....	Ea	\$900.00

## TOPCON TOOLS 7

### POST-PROCESSING/ADJUSTMENT SOFTWARE



Topcon Tools software provides a powerful post processing solution, network analysis and adjustment with an intuitive operator interface that's easy to learn and use. Version 7 further expands the already diverse modular functionality with a new 'imaging' module to support our newest line of optical imaging products. Impressive data automation routines take much of the hassle out of GPS processing and get you the right answer fast.

**Features Include:**

- ..... New GIS High Accuracy Model
- ..... All New Imaging Module
- ..... Easy To Use Graphical Interface
- ..... GPS+ data Processing with Direct Import From Receivers
- ..... Additional Background Image Support
- ..... New Advanced Processing Module
- ..... Enhanced Background Image Support
- ..... Expanded Autodesk Import/Export Support

Graphical Widows based screens provide a MAP and CAD view of your project along with sortable tables of observation and vector information. With user defined reports and customized job configurations, Topcon Tools can process and report data for specific projects and users. Powerful data checking and editing is at your fingertips!

## “TOP-NET”

California's Largest High Accuracy Real Time “RTK” GNSS Reference Station Network.



### “Top-Net” Fee Schedule

**Network Airtime Usage: “PR - Per Rover”**

Initial Licensing Charge.....	PR	\$350.00
Monthly Network Airtime.....	PR	\$175.00
Annual Network Airtime “Prepaid”.....	PR	\$1,800.00
Daily Usage (24-Hours).....	PR	\$50.00

**ESC Equipment Rental “Network Rovers”:**

Topcon GR-3 Rover (With Controller).....	Daily	\$300.00
Topcon Hiper Rover (With Controller).....	Daily	\$250.00
Daily Network Airtime (With your Equipment).....		\$50.00

## “TOP-NET”

California's Largest High Accuracy Real Time “RTK” GNSS Reference Station Network.

ESC GNSS RTK Reference Station System As Of February 1, 2009



## NEW! GRS-1 Network Rover

### GNSS RECEIVER

Introducing The Compact GPS+ Receiver System Ever Made. The New Topcon GRS-1

Topcon is pleased to announce the GRS-1, the world's first handheld, dual frequency, dual constellation RTK receiver. Once again, Topcon has demonstrated unrivalled technological leadership by combining the ease of use of a ruggedized, touch screen computer with an RTK receiver. The small and lightweight design of the GRS-1 is ready-made for use as a network rover. The system is scalable and expandable and can be used as a handheld or on the pole.

**GRS-1 FEATURES**

- Smallest, lightest RTK rover receiver
- 1 cm RTK accuracy.
- Dual frequency GPS+Glonass Receiver and antenna.
- Fastest Receiver - 100Mhz.
- Intergrated cell phone (GSM, CDMA).
- Bright, touch screen display.
- Intergrated camera and compass.
- InWindows Mobil 6.1

Topcon Triple Play!  
0% For 36-Months or  
Trade-In Credit or  
Cash Discounts



From:  
**\$11,490<sup>00</sup>**

**Special ESC GRS-1 Network-Rover Package:**  
GRS-1 Rover W/Internal Cell modem.  
**Free Initial 3-Month “Top-Net” Subscription (\$600 Value)**  
(Network Fees Applicable After Initial 3-Month Subscription)



## Precision Positioning Systems For Land Surveyors And General Contractors

### TOPCON GMS-2

HAND-HELD GIS MAPPING SOLUTION WITH INTERGRATED AUTO-FOCUS DIGITAL CAMERA



### GMS-2 PRO

HAND-HELD GIS MAPPING SOLUTION WITH INTERGRATED AUTO-FOCUS DIGITAL CAMERA AND LASER DISTANCE METER  
Introducing the next generation of a compact satellite positioning receiver



- Integrated Auto-Focus 2-MP Digital Camera
- Integrated Laser & Compass For Offsets (GMS-2 PRO)
- Integrated Barcode Reader
- Dual-Constellation Satellite Tracking (GNSS)
- Windows Ce Operating System
- Integrated Bluetooth For Cell-Phone Networking
- Ultra Sharp Color TFT Touch Screen
- USB, Serial, and SD Memory Expansion Card Slot
- Removable Battery Pack
- External PG-A5 Antenna Option (Sub-Foot)
- WAAS, EGNOS, Coast Guard Beacon or Real-Time DGPS Corrections.



See for Yourself How the TruPulse 360 is Changing Fieldwork Forever. A low-cost professional laser rangefinder with an integrated compass, inclinometer and data output

Range: 0 to 3280'



LASER TECHNOLOGY  
Authorized Dealer

TruPulse 360 with Bluetooth wireless technology.



TOPCON GIS High Accuracy Kit Includes:

2M Rod, PG-A5 Antenna, Cable and Pole Bracket.



Cell Phone DGPS Network Support for Greater Accuracy via Bluetooth Connection



Stock#	Description	Ea	ESC Price
<b>■ GMS-2 GIS MAPPING RECEIVERS</b>			
05-08-8901	GMS-2, TopSURV GIS .....	Ea	\$3,895.00
05-08-8902	GMS-2, TopSURV GIS/TTools-GIS .....	Ea	\$4,290.00
05-08-8903	GMS-2, TopSURV GIS/GNSS .....	Ea	\$4,395.00
05-08-8904	GMS-2, TopSURV GIS/TTools-GIS/GNSS .....	Ea	\$4,785.00
05-08-8905	GMS-2, Field Tools For ArcPad .....	Ea	\$3,745.00
05-08-8906	GMS-2, Field Tools For ArcPad & TTools GIS .....	Ea	\$4,140.00
05-08-8907	GMS-2, Field Tools For ArcPad/GNSS .....	Ea	\$4,245.00
05-08-8908	GMS-2, Field Tools For ArcPad/GNSS TTools .....	Ea	\$4,635.00
<b>■ GMS-2 PRO GIS MAPPING RECEIVERS</b>			
05-08-9004	GMS-2 Pro, TopSURV GIS .....	Ea	\$5,395.00
05-08-9005	GMS-2 Pro, TopSURV GIS/TTools-GIS .....	Ea	\$5,790.00
05-08-9010	GMS-2 Pro, TopSURV GIS/GNSS .....	Ea	\$5,895.00
05-08-9015	GMS-2 Pro, TopSURV GIS/TTools-GIS/GNSS .....	Ea	\$6,285.00
05-08-9020	GMS-2 Pro, Field Tools For ArcPad .....	Ea	\$5,245.00
05-08-9025	GMS-2 Pro, Field Tools For ArcPad & TTools GIS .....	Ea	\$5,640.00
05-08-9030	GMS-2 Pro, TField Tools For ArcPad/GNSS .....	Ea	\$5,745.00
05-08-9035	GMS-2 Pro, Field Tools For ArcPad/GNSS TTools GIS .....	Ea	\$6,135.00
<b>■ GMS-2/GMS-2 PRO ACCESSORIES</b>			
05-08-9038	GMS-2 Pro "High Accuracy Kit" 2M Pole, PG-A5, Bracket ..	Ea	\$1,195.00
05-08-9039	GMS-2 Pro Metal Pole Bracket 30-041221-01 .....	Ea	\$135.00
05-08-9041	PG-A5 Antenna Kit .....	Ea	\$960.00
05-08-9042	GMS-2 High Accuracy Kit, 2M Pole, PG-A5, Bracket .....	Ea	\$1,195.00
05-08-9043	PG-A5 Antenna Cable For GMS-2 Pro 14-008158-01 .....	Ea	\$150.00
05-08-9044	Battery Charger GMS-2/GMS-2 Pro .....	Ea	\$195.00
05-08-9046	AC Adaptor GMS-2/GMS-2 Pro "Wall Charger" .....	Ea	\$51.00
05-08-9047	AC Power Cable GMS-2/GMS-2 Pro "For wall charger" .....	Ea	\$20.00
05-08-9048	Sort Carry Case For GMS-2 .....	Ea	\$43.00
05-08-9049	Stylus Pen For GMS-2 .....	Ea	\$2.50
05-08-9050	GMS-2 Metal Pole Bracket 30-030102-01 .....	Ea	\$135.00
05-08-9060	GMS-2 Display Protector, 1-Ea .....	Ea	\$10.11
05-08-9045	Field Tools For ArcPad V 7.1.1 750-1066 .....	Ea	\$350.00
05-08-9052	USB cable For GMS-2/GMS-2Pro .....	Ea	\$16.00
<b>■ TRUPULSE 360B LASER RANGEFINDER</b>			
05-08-9071	TruPulse 360B Laser Rangefinder w/Bluetooth .....	Ea	\$1,695.00

## Field Tools For ArcPac

Topcon is pleased to announce the release of the next version of Field Tools for ArcPad, v7.1.1 to support the new GMS-2 Pro Receiver and the latest version of ArcPad (v7.1.1). Field Tools for ArcPad allows customers with ESRI's ArcPad software and ArcPad customizations to take full advantage of their Topcon GPS receiver. With this extension, customers can use the GMS-2 and GMS-2 Pro internal camera, compass and laser distance meter (GMS-2 Pro only) and have all the convenient GPS configurations in addition to their existing ArcPad functions.

### Features available on GMS-2 and GMS-2 Pro

- .....Support for ArcPad's latest release v7.1.1
- .....Optional geo-tagging on the image with date/time and position information
- .....Improved user interface for SBAS support including (WAAS/EGNOS/MSAS)
- .....Communication to Topcon beacon receiver (BR-1) via Bluetooth or serial port
- .....Internal GPS receiver support
- .....External antenna support for greater accuracy via "High Accuracy Kit"
- .....Network DGPS correction using bluetooth cell phone connection
- .....Storage of Compass and tilt values as attributes

### Additional Features available on GMS-2 Pro only

- .....Offset measurements using internal laser distance meter
- .....On-image height and width measurements
- .....Barcode reading through the image

- Call Toll Free 1-800-788-3307 -

Our Low Prices Will Earn Your Business, The Great Customer Service Will Keep It!

Stock#	Description	Ea	ESC Price
<b>■ TOPCON GPS ANTENNAS</b>			
05-08-0501	3M GPS Antenna Cable Legacy .....	Ea	\$65.00
05-08-0502	3M GPS Antenna Cable GB-500-1000 .....	Ea	\$239.00
05-08-0503	PG-A1, GPS Antenna.....	Ea	\$2,195.00
05-08-0504	PG-A1, GPS Antenna w/Groundplane .....	Ea	\$2,495.00
05-08-0505	CR-3, Choke Ring GPS Antenna w/Cone .....	Ea	\$4,000.00
05-08-0506	CR-G3, Choke Ring GPS Antenna w/Dome .....	Ea	\$4,850.00
<b>■ RADIO KITS AND ACCESSORIES</b>			
05-08-0551	TRL-35 35 Watt UHF Digital Base Radio Kit.....	Ea	\$2,645.00
05-08-0552	35W Radio Configuration Kit (35W 450-470Mhz) .....	Ea	\$70.00
05-08-0553	RE-S1 915+ Radio Repeater Kit .....	Ea	\$2,495.00
05-08-0557	Rubber Duck Antenna "Hiper Ga/Gb" .....	Ea	\$44.90
05-08-0558	Rubber Duck Antenna 915 "Hiper Lite" .....	Ea	\$66.00
05-08-0559	Unity Gain Whip Antenna .....	Ea	\$98.00
05-08-0560	High Gain 5db 30" Whip Antenna BMUF4525 .....	Ea	\$128.00
05-08-0561	Rubber Duck Antenna UHF Hiper+ .....	Ea	\$98.00
05-08-0562	Cable, Radio-Receiver+Power PCC A00630 .....	Ea	\$236.25
05-08-0563	Whip Antenna Pole Mount Cable 8' PCC-A00911 .....	Ea	\$158.00
05-08-0564	Whip Antenna Pole Mount Cable 3' PCC-A01031 .....	Ea	\$148.00
05-08-0565	Whip Antenna Pole Mount Cable 25' PCC-A02264 .....	Ea	\$148.00
05-08-0568	Mag Mount, Single .....	Ea	\$60.95
05-08-0569	Mag Mount, Triple .....	Ea	\$259.95
05-08-0570	Pole Mount Bracket for antenna/cable assembly.....	Ea	\$55.95
<b>■ ACCESSORIES-BATTERIES-CHARGERS</b>			
05-08-0073	SAE-30 6' Extension Cable.....	Ea	\$22.00
05-08-0074	Battery, 12V 33Ah Lead Acid.....	Ea	\$124.95
05-08-0075	AC Charger, For 33Ah Lead Acid Battery .....	Ea	\$149.95
05-08-0076	Battery Bag w/cables For 33hr Lead Acid .....	Ea	\$146.50
05-08-0077	SAE To Cigarette Lighter Cable .....	Ea	\$17.00
05-08-0078	SAE to Receiver Power Cable .....	Ea	\$89.00
05-08-0079	SAE To Alligator Clips Adaptor. ....	Ea	\$20.00
05-08-0083	Receiver Power Supply (w/o SAE cable) .....	Ea	\$152.00
05-08-0087	AC Charger For Receiver.....	Ea	\$171.36
05-08-0102	Serial Cable To Receiver DB-9.....	Ea	\$100.00
05-08-5139	Radio Antenna Mast, (6').....	Ea	\$46.95
05-08-5140	2M Collapsible GPS Antenna Tripod SECO-5119.....	Ea	\$749.95
05-08-5141	2M Fixed-Height GPS Antenna Tripod SECO-5115.....	Ea	\$724.95
05-08-5145	ATV Bracket w/Radio Pole .....	Ea	\$454.95
05-08-8154	GPS Rover Rod Bag .....	Ea	\$75.95
05-08-8155	GPS Door Mount Bracket.....	Ea	\$549.95
05-08-8156	2M Collapsible Composite Rover Rod .....	Ea	\$349.95
05-08-8157	2M Collapsible Aluminum Rover Rod.....	Ea	\$119.95
05-08-8158	2M, 2-Section Aluminum Pole .....	Ea	\$94.95
05-08-8159	2M, 2-Section Composite Pole.....	Ea	\$295.95
05-08-8160	2M Collapsible Composite GPS Rod: 2M 1.8M 1.6M .....	Ea	\$374.95
<b>■ CELL PHONE RTK KITS AND ACCESSORIES</b>			
05-08-8201	TPS CDMA Communication Kit w/o Modem .....	Ea	\$395.00
05-08-8202	Cell Modem Pole case, Seco 8143-22-FLY .....	Ea	\$14.95
05-08-8210	CDMA External Modem (Verizon) .....	Ea	\$525.00
05-08-8211	CDMA External Modem (Cingular/AT&T).....	Ea	\$395.00
05-08-8213	CDMA Modem Power & Data Cable "Raven XT".....	Ea	\$224.95
05-08-8214	CDMA Modem Power Cable Only (TPS) .....	Ea	\$123.00
05-08-8215	CDMA Modem Power & Data Cable (TPS) .....	Ea	\$262.00
05-08-8216	CDMA Modem Cradle (Seco 5200-050) .....	Ea	\$79.95
05-08-8217	CDMA Modem Pole Clamp (Seco 5198-052) .....	Ea	\$72.95
05-08-8218	Antenna, CDMA Modem .....	Ea	\$17.00



GPS Accessories



SECO GPS ATV Pole Bracket System  
05-08-5145



SECO Collapsible GPS Antenna Tripod  
05-08-5140



SECO GPS Door Mount Bracket  
05-08-8155



SECO 2M Aluminum Rover Rod  
05-0808157



SECO 6' Collapsible Radio Ant. Mast  
05-07-5139



Cell Modem Pole Case  
05-08-8202



SECO 2M Collapsible Composite Rover Rod  
05-08-8156



SECO 2M Collapsible Aluminum Rover Rod  
05-08-8157



Cell Phone DGPS Network Support for Greater Accuracy via Bluetooth Connection



Raven XT External Cell Modem  
05-08-8213



Hi Tape Measure



GPS Mag Mount Single  
05-08-0568



GPS Mag Mount Triple  
05-08-0569



Topcon GB-500/GB-1000 Base Station Kits



New! PGA-1 GPS Antenna L1/L2 GPS/GPS+Glonass  
05-08-0503



TRL-35 Watt Digital Base Radio Kit  
05-08-0551

100% Digital UHF Technology  
PacCrest, PDL and Trimtalk compatible  
100% Waterproof and Dustproof



## Precision Positioning Systems For Land Surveyors And General Contractors

### TOPCON FC-120/200/2500 DATA COLLECTORS WITH TOPSURV 7 INTEGRATED CONTROLLER SOFTWARE

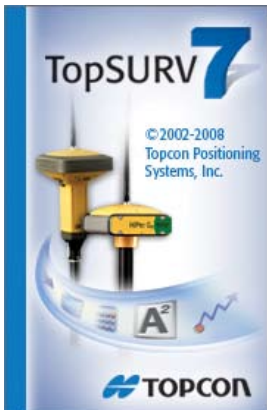
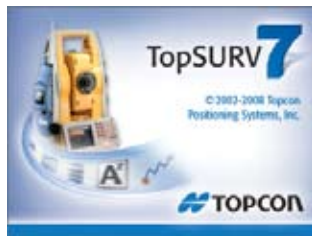


New! TopSURV 7 Offers A Multitude Of Expanded New Features and Enhancements!

- ..... New imaging module
- ..... Enhanced advanced processing module
- ..... Expanded import and export for Autodesk
- ..... Topo grid function (unique feature for Topcon)
- ..... New Contractors module
- ..... Enhanced right mouse support (unique for Topcon)
- ..... Multiple layer selection
- ..... Improved DL-101/1-3 digital level support

Available TopSURV 7  
Surveying Modules:

- TopSURV 7 For Contractors
- TopSURV 7
- TopSURV 7 Pro
- TopSURV 7 Robotics
- TopSURV 7 Pro Robotics
- TopSURV 7 GPS+
- TopSURV 7 Pro GPS+
- TopSURV 7 Complete



Stock#	Description	Ea	ESC Price
<b>■ TOPCON FC-120 256Mb W/TopSURV 7</b>			
05-86-3100	FC-120 w/TopSURV 7 "Hardware Only" .....	60673 .....Ea	\$1,795.00
05-86-3101	FC-120 w/TopSURV 7 Contractors .....	60703 .....Ea	\$1,945.00
05-86-3102	FC-120 w/TopSURV 7 .....	60704 .....Ea	\$2,095.00
05-86-3103	FC-120 w/TopSURV 7 Pro .....	60705 .....Ea	\$2,595.00
05-86-3104	FC-120 w/TopSURV 7 Robotics.....	60706 .....Ea	\$2,790.00
05-86-3105	FC-120 w/TopSURV 7 Pro-Robotics.....	60707 .....Ea	\$3,290.00
05-86-3106	FC-120 w/TopSURV 7 GPS+ .....	60708 .....Ea	\$2,890.00
05-86-3107	FC-120 w/TopSURV 7 Pro-GPS+ .....	60709 .....Ea	\$3,295.00
05-86-3108	FC-120 w/TopSURV 7 Complete .....	60710 .....Ea	\$3,795.00
05-86-3109	FC-120 w/TopSURV 7 Pocket Layout.....	60739 .....Ea	\$2,695.00
05-86-3110	FC-120 w/TopSURV 7 TopSurv GIS .....	60711 .....Ea	\$2,295.00
<b>■ TOPCON FC-200 512Mb W/TopSURV 7</b>			
05-86-3002	FC-200 512Mb w/TopSURV .....	60508 .....Ea	\$2,745.00
05-86-3003	FC-200 512Mb w/TopSURV PRO .....	60514 .....Ea	\$3,145.00
05-86-3004	FC-200 512Mb w/TopSURV+Robotics.....	60509 .....Ea	\$3,440.00
05-86-3005	FC-200 512Mb w/TopSURV Pro Robotics ...	60510 .....Ea	\$3,940.00
05-86-3006	FC-200 512Mb w/TopSURV GPS+ .....	60512 .....Ea	\$3,540.00
05-86-3007	FC-200 512Mb w/TopSURV+GPS PRO .....	60513 .....Ea	\$3,945.00
05-86-3008	FC-200 512Mb w/TopSURV Complete .....	60515 .....Ea	\$4,445.00
<b>■ TOPCON FC-2500 ADVANCED DATA COLLECTOR</b>			
05-86-3201	FC-2500 w/TopSURV 7 "Hardware Only" ...	60746 .....Ea	\$3,890.00
05-86-3202	FC-2500 w/TopSURV 7 Contractors .....	60748 .....Ea	\$3,890.00
05-86-3203	FC-2500 w/TopSURV 7 .....	60749 .....Ea	\$3,890.00
05-86-3404	FC-2500 w/TopSURV 7 Pro .....	60750 .....Ea	\$4,290.00
05-86-3205	FC-2500 w/TopSURV 7 Robotics.....	60751 .....Ea	\$4,290.00
05-86-3206	FC-2500 w/TopSURV 7 Pro-Robotics.....	60752 .....Ea	\$4,590.00
05-86-3207	FC-2500 w/TopSURV 7 GPS+ .....	60753 .....Ea	\$4,290.00
05-86-3208	FC-2500 w/TopSURV 7 Pro-GPS+ .....	60754 .....Ea	\$4,590.00
05-86-3209	FC-2500 w/TopSURV 7 Complete .....	60755 .....Ea	\$5,190.00
<b>■ TOPCON ACCESSORIES FOR ALL CONTROLLERS</b>			
05-86-3301	BT-66Q BATT, FC-100/120/200/2000/2500 ..	60565 .....Ea	\$125.00
05-86-3302	BC-30B Dual Charger For BT-61Q,62Q, 65Q	60700 .....Ea	\$195.00
05-86-3306	FC-100 Data Max Pole Mount Bracket .....	91800 .....Ea	\$152.00
05-86-3307	FC-200 Rod Bracket .....	60516 .....Ea	\$135.00
05-86-3308	RS-1 Radio Modem For FC-200/2500 .....	60434 .....Ea	\$2,000.00
05-86-3309	USB Download Cable .....	60630 .....Ea	\$25.00
05-86-3311	RS-1 Radio Module For FC-2500 .....	60434 .....Ea	\$2,000.00
05-86-3313	Charger For FC-2500.....	60736 .....Ea	\$60.00
05-86-3314	AC Cable For FC-2500 Charger .....	60737 .....Ea	\$10.00
05-86-3317	USB Flash Drive Cable For FC-2500.....	60621 .....Ea	\$25.00
05-86-3318	Carring Bag For FC-2500.....	64837-90060 .....Ea	\$80.00
05-86-3319	Pole Clamp For FC-2500 .....	60742 .....Ea	\$80.00
05-86-3320	Cradle For FC-2500 .....	60743 .....Ea	\$80.00
05-86-3321	Tripod Bracket For FC-2200 .....	50048 .....Ea	\$80.00
05-86-0112	Stylus Pens (2-pack) .....	Ea	\$6.00
05-86-3322	Screen Protectors For FC-2500 .....	60625 .....Ea	\$15.00
05-96-6060	Instrument Cable, 9-pin to Topcon .....	Ea	\$76.00
<b>■ TOPSURV 7 MODULES, SOFTWARE ONLY</b>			
05-86-3550	TopSURV GPS+ Module .....	60299 .....Ea	\$1,000.00
05-86-3551	TopSURV Standard Module.....	60268 .....Ea	\$495.00
05-86-3552	TopSURV Robotics Module.....	60300 .....Ea	\$500.00
05-86-3553	TopSURV Pro Module .....	60301 .....Ea	\$500.00
05-86-3554	TopSURV mmGPS+ Module .....	60322 .....Ea	\$500.00
05-86-3555	TopSURV GIS Module .....	60319 .....Ea	\$500.00



- Call Toll Free 1-800-788-3307 -

*Our Low Prices Will Earn Your Business, The Great Customer Service Will Keep It!*

Stock#	Description	Ea	ESC Price
<b>TOPCON SURVEYMASTER PC SOFTWARE</b>			
05-86-5000	Complete SurveyMaster Kit .....	60723 .....	Ea \$1,995.00
05-86-5001	SurveyMaster Brochure .....	7010-0898 .....	Ea \$0.00
05-86-5002	SurveyMaster Demo CD (30-Day Trial) .....	60724 .....	Ea \$0.00

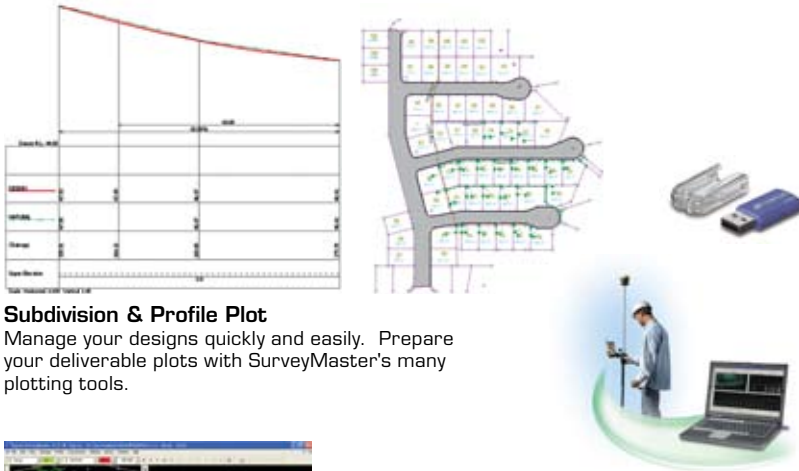


## TOPCON SURVEY MASTER

A COMPLETE CAD SOLUTION FOR JOBSITE FIELD TO FINISH DRAFTING

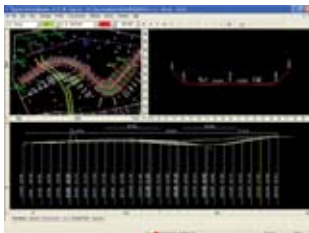
Control your survey data with SurveyMaster - whether in a deeded boundary survey or a construction site. SurveyMaster was designed by surveyors for surveyors and stands alone in ease of use and seamless integration with Topcon field equipment.

- .... Complete Standalone CAD-Based Surveying Software
- ..... Contouring and Surface Files Automated
- ..... Volume Analysis
- ..... Enhanced advanced processing module
- ..... Expanded import and export for Autodesk
- ..... Topo grid function (unique feature for Topcon)
- ..... New Contractors module
- ..... Enhanced right mouse support (unique for Topcon)
- ..... Multiple layer selection
- ..... Improved DL-101/1-3 digital level support



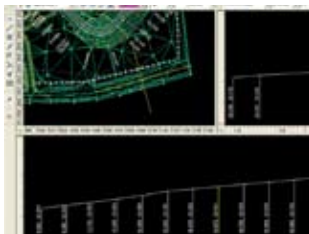
### Subdivision & Profile Plot

Manage your designs quickly and easily. Prepare your deliverable plots with SurveyMaster's many plotting tools.



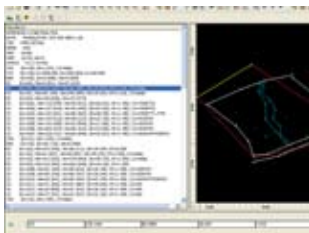
### Cross-Section Editor

Dynamic multiple window views allow the CAD operator to quickly and accurately make design changes and edits in one window, and have live updates in other windows.



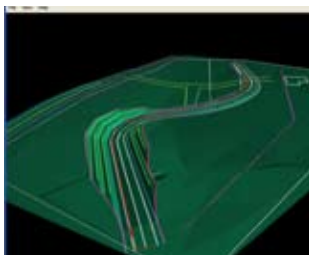
### Quick Section

SurveyMaster makes #D data easy to visualize. Use the "Quick Tools" such as Quick Section to investigate 3D surface data.



### Raw Data Editor

Easily makes edits to your raw data with this dual view raw data editor. Selected raw data in the text window is simultaneously updated in the map view, so you can visually check all edits.

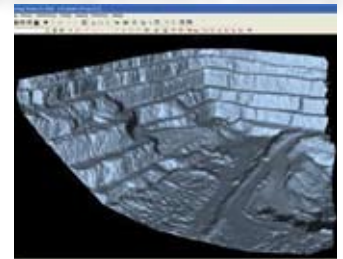


### 3D Viewer

The power of 3D surface modeling can be harnessed with SurveyMaster's 3D viewer. Investigate design changes from all angles. Quickly identifies areas of the project that require attention.

## ImageMaster Software

PC Based Imaging Station Control and post-Processing software capable of 3D point cloud management and photogrammetric modeling.



- Calculation & display of model x-sections
- Multiple export formats (DXF, ASCII, VRML)
- Calculation and display of contour lines
- Area and volume calculations
- Distance measurements
- Tin model generation
- 3D rendered models
- Ortho image support

### Advanced Features

## Precision Positioning Systems For Land Surveyors And General Contractors

### TDS DATA COLLECTORS

**TDS The #1 Choice of surveying Professionals since 1995!**

New Survey Pro Version 4.61 Is more powerful than ever, for productive, reliable and Comprehensive operation.



**From: \$2,750.00**  
**RANGER 300X/500X**  
 Available with  
 256 or 512MB  
 On-Board Flash Memory  
 Integrated Bluetooth and  
 802.11b Wireless Cap

Trade-In/Upgrade  
 Program In Effect!

Ranger, Recon, Nomad Modules:  
 Basic GPS  
 Survey Standard  
 Survey Pro  
 Survey Pro+Robotics  
 Survey Pro+"Max"



Call For Your FREE  
 Demo CD Today!



**NEW! TDS**  
**NOMAD SERIES**  
 800B/800LD/LC/X  
 800LC "Camera"  
 From: \$1,899.00

**BIG SAVINGS!**

Trade-In/Upgrade  
 Program In Effect!

Windows Mobile 6.0  
 806 MHz Processor  
 Numeric Keypad  
 800B: 512MB Flash Memory  
 800LD: 1GB, WiFi, BT, GPS  
 800LC: 1GB, WiFi, BT, GPS, 2MP Camera



**NEW!**  
**NOMAD 800X**  
**W/BLUETOOTH**  
**WiFi/GPS/WWAN**  
 Internal Cell Modem



**Data Collector**  
**Got The Blues?**  
 Send it to ESC  
 We are TDS repair  
 Certified and can beat  
 Their turnaround anytime.



**Recon 400X 256MB**  
**From: \$1,709.00**  
 Windows Mobile 6.0  
 400 MHz Processor  
 Integrated Bluetooth  
 Expandable



Trade-In/Upgrade  
 Program In Effect!

Stock#	Description	Ea	ESC Price
<b>■ TDS RANGER 300X/500X With Bluetooth</b>			
05-86-0000	300X 64/256MB Survey Standard.....	Ea	\$2,899.00
05-86-0001	300X 64/256MB SurveyPro.....	Ea	\$3,299.00
05-86-0002	300X 64/256MB SurveyPro+Robotics .....	Ea	\$4,099.00
05-86-0003	300X 64/256MB SurveyPro+GPS.....	Ea	\$4,099.00
05-86-0004	300X 64/256MB SurveyPro+"Max".....	Ea	\$4,599.00
05-86-0010	500X 128/512MB Survey Standard.....	Ea	\$3,399.00
05-86-0011	500X 128/512MB SurveyPro.....	Ea	\$3,799.00
05-86-0012	500X 128/512MB SurveyPro+Robotics .....	Ea	\$4,599.00
05-86-0013	500X 128/512MB SurveyPro+GPS.....	Ea	\$4,599.00
05-86-0014	500X 128/512MB SurveyPro+"Max".....	Ea	\$5,099.00
<b>■ TDS RANGER ACCESSORIES</b>			
05-86-0100	Power Boot Module.....	Ea	\$249.00
05-86-0104	AC Charger .....	Ea	\$59.00
05-86-0105	Hand Strap.....	Ea	\$12.00
05-86-0106	Screen Protectors 2-pk .....	Ea	\$8.00
05-86-0107	Nylon Carry Case (small cap) .....	Ea	\$30.00
05-86-0109	USB Data Cable.....	Ea	\$15.00
05-86-0110	Tripod Hook.....	Ea	\$18.95
05-86-0111	Stylus Lanyard .....	Ea	\$8.00
05-86-0112	Stylus Pens (2-pack) .....	Ea	\$6.00
05-86-0113	Tripod Bracket.....	Ea	\$75.00
05-86-0114	TDS RangerX Pole Bracket Assy. "Metal" ST1-Z2007. EA	Ea	\$155.00
05-86-0115	12V Vehicle Charger .....	Ea	\$149.00
05-86-0116	SECO Belt Case For Ranger X.....	Ea	\$149.00
05-86-0117	Crain DataMax DC Pole System.....	Ea	\$125.00
05-96-6060	Instrument Cable, 9-pin to "Brand".....	Ea	\$76.00
<b>■ NOMAD 800B SERIES W/BLUETOOTH</b>			
05-86-0301	Nomad-800B Basic GPS.....	Ea	\$1,999.00
05-86-0301	Nomad-800B Survey Standard .....	Ea	\$1,999.00
05-86-0302	Nomad-800B SurveyPro .....	Ea	\$2,399.00
05-86-0303	Nomad-800B SurveyPro+Robotics .....	Ea	\$3,199.00
05-86-0304	Nomad-800B SurveyPro+GPS .....	Ea	\$3,199.00
05-86-0305	Nomad-800B SurveyPro+"Max".....	Ea	\$3,699.00
<b>■ NOMAD 800LD SERIES W/BLUETOOTH WiFi/GPS</b>			
05-86-0320	Nomad-800LD Basic GPS .....	Ea	\$2,199.00
05-86-0321	Nomad-800LD Survey Standard.....	Ea	\$2,199.00
05-86-0322	Nomad-800LD SurveyPro.....	Ea	\$2,599.00
05-86-0323	Nomad-800LD SurveyPro+Robotics.....	Ea	\$3,399.00
05-86-0324	Nomad-800LD SurveyPro+GPS .....	Ea	\$3,399.00
05-86-0325	Nomad-800LD SurveyPro+"Max".....	Ea	\$3,899.00
<b>■ NOMAD 800LC W/BLUETOOTH WiFi/GPS/CAMERA</b>			
05-86-0420	Nomad-800LC Basic GPS .....	Ea	\$2,399.00
05-86-0421	Nomad-800LC Survey Standard.....	Ea	\$2,399.00
05-86-0422	Nomad-800LC SurveyPro.....	Ea	\$2,799.00
05-86-0423	Nomad-800LC SurveyPro+Robotics.....	Ea	\$3,599.00
05-86-0424	Nomad-800LC SurveyPro+GPS .....	Ea	\$3,599.00
05-86-0425	Nomad-800LC SurveyPro+"Max".....	Ea	\$4,099.00
<b>■ NOMAD 800X W/BLUETOOTH WiFi/GPS/WWAN</b>			
05-86-0520	Nomad-800X Basic GPS.....	Ea	\$2,699.00
05-86-0521	Nomad-800X Survey Standard .....	Ea	\$2,699.00
05-86-0522	Nomad-800X SurveyPro .....	Ea	\$3,099.00
05-86-0523	Nomad-800X SurveyPro+Robotics .....	Ea	\$3,899.00
05-86-0524	Nomad-800X SurveyPro+GPS .....	Ea	\$3,899.00
05-86-0525	Nomad-800X SurveyPro+"Max".....	Ea	\$4,399.00

Call About Our  
 Recon Trade-In  
 Program!

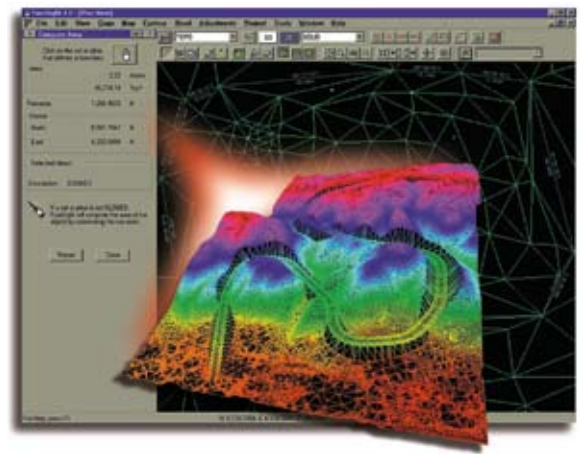


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TDS PC SOFTWARE

Stock#	Description	Ea	ESC Price
<b>■ NOMAD ACCESSORIES</b>			
05-96-6070	PC Serial Cable 9-Pin to 9-Pin.....	Ea	\$20.00
05-86-0351	USB Interface Cable .....	Ea	\$15.00
05-86-0352	12V Vehicle Charger .....	Ea	\$149.00
05-86-0353	AC Charger, 110v.....	Ea	\$59.00
05-86-0354	Rechargeable Lithium-ion Battery Module.....	Ea	\$95.00
05-86-0355	Spare Battery Charger .....	Ea	\$50.00
05-86-0356	AA Battery Module .....	Ea	\$90.00
05-86-0357	Stylus Lanyard .....	Ea	\$8.00
05-86-0371	NOMAD Tripod Bracket.....	Ea	\$50.00
05-86-0372	Screen Protectors Ultra Clear 2-pk.....	Ea	\$8.00
05-86-0373	Screen Protectors Anti-Glare 2-pk.....	Ea	\$8.00
05-86-0374	Hand Strap.....	Ea	\$12.00
05-86-0375	Standard Nylon Carry Case.....	Ea	\$25.00
05-86-0379	Nomad Stylus Pen .....	Ea	\$20.00
05-86-0380	Nomad "Data Max" Pole Bracket .....	Ea	\$125.00
05-96-6060	Instrument Cable, 9-pin to "Brand".....	Ea	\$76.00
<b>■ TDS RECON-400X SERIES WITH BLUETOOTH</b>			
05-86-2059	Recon-400X 256mb Basic GPS BT.....	Ea	\$1,799.00
05-86-2060	Recon-400X 256mb Survey Standard BT.....	Ea	\$1,799.00
05-86-2061	Recon-400X 256mb SurveyPro BT.....	Ea	\$2,199.00
05-86-2062	Recon-400X 256mb Pro+Robotics BT.....	Ea	\$2,999.00
05-86-2063	Recon-400X 256mb Pro+GPS BT.....	Ea	\$2,999.00
05-86-2064	Recon-400X 256mb Pro "Max" BT.....	Ea	\$3,499.00
<b>■ TDS RECON-400NX SERIES NO SLOTS OR BLUETOOTH</b>			
05-86-0620	Recon-400X 256mb Basic GPS BT.....	Ea	\$1,799.00
05-86-0621	Recon-400NX 64/128mb Survey Standard.....	Ea	\$1,599.00
05-86-0622	Recon-400NX 256mb SurveyPro BT.....	Ea	\$2,199.00
05-86-0623	Recon-400NX 256mb Pro+Robotics BT.....	Ea	\$2,999.00
05-86-0624	Recon-400NX 256mb Pro+GPS BT.....	Ea	\$2,999.00
05-86-0625	Recon-400NX 256mb Pro "Max" BT.....	Ea	\$3,499.00
<b>■ TDS RECON ACCESSORIES</b>			
05-86-2067	Cradle, USB Interface/Charger wo/AC Charger.....	Ea	\$179.00
05-86-2068	AA Power Boot Module.....	Ea	\$89.95
05-86-2069	Standard Nylon Carry Case.....	Ea	\$25.00
05-86-2070	Recon Tripod Bracket.....	Ea	\$50.00
05-86-2071	Recon Pole Bracket (Clamp Only) SECO 5198-052.....	Ea	\$72.92
05-86-2072	Recon Pole Bracket (Cradle Only) SECO 5198-092.....	Ea	\$72.95
05-86-2073	Bluetooth Compact Flash Card.....	Ea	\$159.95
05-86-2074	Power-Boot Module, (Battery).....	Ea	\$95.00
05-86-2076	USB Interface Cable .....	Ea	\$15.00
05-96-6070	PC Serial Cable 9-Pin to 9-Pin.....	Ea	\$20.00
05-86-2077	Stylus Pens, ( 2-Pack ).....	Ea	\$6.00
05-86-2078	Display Protectors 2-pk.....	Ea	\$8.00
05-86-2079	12V Vehicle Charging Cable .....	Ea	\$35.00
05-86-2080	Elastic Hand Strap .....	Ea	\$12.00
05-86-2081	Neck Strap .....	Ea	\$8.00
05-86-2083	Recon Tripod Hook .....	Ea	\$16.95
05-86-2084	Reco 1-Year Extended Warranty.....	Ea	\$16.95
05-86-2085	Crain DataMax DC Pole System.....	Ea	\$125.00
05-86-2086	AC Charger, 110v "New Style".....	Ea	\$50.00
05-96-6060	Instrument Cable, 9-pin to "Brand".....	Ea	\$76.00
<b>■ TDS PC PRODUCTS</b>			
05-97-1000	ForeSight COGO and Drafting.....	Ea	\$999.00
05-97-1005	ForeSight COGO and Drafting W/DXM.....	Ea	\$1,299.00
05-97-1010	ForeSight COGO W/Contouring and DTM.....	Ea	\$1,299.00
05-97-1015	ForeSight COGO w/DTM & FS-DXM.....	Ea	\$1,599.00
05-97-1020	ForeSight W/DTM-Roads-Least Squares/DXM .....	Ea	\$2,389.00
05-97-1025	ForeSight DXM File Transfer.....	Ea	\$399.00
05-97-1026	ForeSight DXM File Transfer w/Basic Adjustments.....	Ea	\$448.00
05-97-1027	Basic Adjustments Module for exist. ForeSite DXM.....	Ea	\$149.00
05-97-1028	ForeSight DXM Manual.....	Ea	\$30.00
05-97-1029	ForeSight Manual.....	Ea	\$50.00



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TDS Data Collectors

Survey Pro Data Collection Software

TDS Office Software Solutions

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PACIFIC CREST ENGINEERING  
TDS





## Precision Positioning Systems For Land Surveyors And General Contractors

### TOPCON GREEN LABEL Construction Total Stations



### Electronic Transits



Topcon DT-200/200L Series  
Electronic Transit  
10-05-3038



DWT-10/30  
10"/30" Electronic Transit  
10-06-5600/01

### LS Series

#### Machine Mounted Laser Receivers



### TOPCON LASER SYSTEMS

#### THE #1 SELLING LASER IN THE WORLD!



Topcon RL-H3C  
Topcon RL-H3CL  
15-06-7073



Topcon RL-H3CS  
Manual Slope Laser  
15-06-7088



Topcon RL-VH4G  
GB Smart Interior Laser  
15-06-7088



RL-1001S Single Grade Laser Package  
15-08-7050  
RL-1002S Dual Grade Laser Package  
W/REMOTE 15-08-7060

- 5 Arc Second Repeatability
- Wide Grade Range (Up to 25%) Without Slope Blocks.
- Extra Long Battery Life (65 Hrs)
- Increased Range - Up To 2500'
- Graphical Display
- Full Function Remote (RL-100 2S)



Remote Control  
RC-300W  
300-Meter Range



RT-5SW  
"Smart" Slope Laser  
With Integrated Remote Control  
and New 30-hour battery  
600 Meter Laser Range

Stock#	Description	Ea	ESC Price
<b>TOPCON GREEN LABEL TOTAL STATIONS</b>			
07-10-0102	GTS-102N, 2" Total Station .....	Ea	\$6,995.00
07-10-0105	GTS-105N, 5" Total Station .....	Ea	\$5,995.00
07-10-0110	BC-G1B 120V Battery Charger .....	Ea	\$235.00
07-10-0111	BT-G1 Battery Pack .....	Ea	\$217.00
<b>TOPCON "DIGITAL" TRANSITS</b>			
10-05-3035	DT-205, 5" Digital Transit .....	Ea	\$3,595.00
10-05-3036	DT-207, 7" Digital Transit .....	Ea	\$3,090.00
10-05-3037	DT-209, 9" Digital Transit .....	Ea	\$2,190.00
10-05-3040	DT-205L, 5" Digital Transit PG .....	Ea	\$4,990.00
10-05-3041	DT-207L, 7" Digital Transit PG .....	Ea	\$4,190.00
10-05-3042	DT-209L, 9" Digital Transit PG .....	Ea	\$3,390.00
<b>DAVID WHITE TRANSITS</b>			
10-06-5600	DWT-10 Electronic Transit 10" .....	Ea	\$1,395.00
<b>DIGITAL TRANSIT ACCESSORIES</b>			
10-35-3330	Diagonal Eyepiece DT-104 .....	Ea	\$234.00
10-35-3331	BC-26C Battery Charger For DT-100 .....	Ea	\$120.00
10-35-3336	Battery, BT-12Q DT-20B/30 .....	Ea	\$173.00
10-35-3337	Battery Holder "AA" DT-20B/30 .....	Ea	\$89.00
10-35-3343	Battery Charger BC-14B/DT20/30 .....	Ea	\$106.00
<b>TOPCON LASER LEVELS</b>			
15-06-7071	RL-H3A Auto Level Laser LS-70B .....	Ea	\$1,695.00
15-06-7073	RL-H3C Auto Laser Level LS-70C .....	Ea	\$895.00
15-06-7074	RL-H3CL "LR" Auto Laser Level LS-70C .....	Ea	\$1,195.00
15-06-7088	RL-H3CS Auto Laser LS-70B .....	Ea	\$1,195.00
<b>TOPCON INTERIOR LASERS</b>			
15-07-7078	RL-VH4G2 "Smart" Interior Laser (GreenBeam) 57143 ..	Ea	\$2,970.00
15-07-7081	RL-VH4DR Interior Laser Kit (Red Beam) 57145 .....	Ea	\$1,245.00
<b>TOPCON SLOPE "GRADE" LASERS</b>			
15-08-6995	RT-5SW Dual Grade Slope Laser .....	Ea	\$6,995.00
15-08-7050	RL-1001S, Single Grade Slope Laser Package .....	Ea	\$2,995.00
15-08-7060	RL-1002S, Dual Grade Slope Laser Package .....	Ea	\$3,995.00
<b>LASER ACCESSORIES</b>			
15-15-6043	Apache Model-43 "Sensor Clamp" .....	Ea	\$45.00
15-15-6044	Apache Model-44 "Laser Sensor" .....	Ea	\$295.00
15-15-6048	Apache Model-48 Remote Display .....	Ea	\$150.00
15-15-6050	Wall Mount-1C .....	Ea	\$125.00
15-15-6052	TPS Sensor, LS-80B w/Backlight .....	Ea	\$425.00
15-15-6054	TPS Sensor, LS-80A w/Holder .....	Ea	\$305.00
15-15-6055	TPS Sensor, LS-70B/G w/Holder .....	Ea	\$350.00
15-15-6056	TPS Sensor, LS-80B W/Holder-6 .....	Ea	\$205.00
15-15-6060	Sensor Holder 5 For LS-70A/B .....	Ea	\$70.00
15-15-6062	Sensor Holder 6 For LS-70C .....	Ea	\$60.00
15-15-6070	LS-B2C Sensor w/BT-39Q NiCad .....	Ea	\$2,495.00
15-15-6072	LS-B3 Sensor w/Case .....	Ea	\$1,095.00
15-15-6073	LS-B10 Sensor w/Case .....	Ea	\$695.00
15-15-6109	DB-51, Dry Battery Holder (RL-H1Sa/2Sa) .....	Ea	\$95.00
15-15-6127	DB-51C, NiMH Battery Holder (RL-H1Sa/2Sa) .....	Ea	\$115.00
15-15-6983	BT-51Q, NiMH Battery Pack (RL-H1Sa/2Sa) .....	Ea	\$175.00
15-15-6984	DB-43, Battery Door .....	Ea	\$115.00
15-15-6999	AD-9B, Charger For (RL-H1Sa/2Sa) .....	Ea	\$30.00
15-15-7024	RC-30 Remote Control/RL-VH3C .....	Ea	\$495.00

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Our Low Prices Will Earn Your Business, The Great Customer Service Will Keep It!

Stock#	Description	Ea	ESC Price
<b>■ PLS POCKET LASERS</b>			
15-20-0001	PLS 3 Pocket Laser w/soft carry case & brackets .....	Ea	\$265.00
15-20-0002	PLS 5 Pocket Laser w/carry case & Accessories.....	Ea	\$495.00
<b>■ MISCELLANEOUS CHARGERS/CABLES</b>			
15-30-0003	Spectra 1145 Charger .....	Ea	\$48.00
15-30-0004	Spectra 1145 Power Cord .....	Ea	\$84.95
<b>■ TOPCON DIGITAL LEVELS</b>			
20-00-2101	DL-101C Digital Level w/PCMCIA Adaptor .....	Ea	\$3,790.00
20-00-2102	DL-102C Digital Level w/PCMCIA Adaptor .....	Ea	\$2,590.00
20-00-2110	DL-103 Digital Level.....	Ea	\$1,490.00
20-00-2111	DL-103AF Digital Level w/AF.....	Ea	\$2,190.00
20-00-2150	3M Fiberglass Rod for DL-100.....	Ea	\$300.00
20-00-2160	3M Invar Staff for DL-100.....	Ea	\$2,000.00
20-00-2165	Invar Rod Set, Incl(2)3m w/Case .....	Ea	\$3,250.00
20-00-2191	5M Fiberglass Rod, Met or Eng .....	Ea	\$162.00
20-00-2197	Bipod For Fiberglass Rod .....	Ea	\$167.95
20-00-2200	BT-31Q, Battery Pack .....	Ea	\$240.00
20-00-2201	DB-31, "AA" Battery Holder.....	Ea	\$65.00
20-00-2210	BC-23B, Battery Charger .....	Ea	\$110.00
20-00-2711	TG Level Software with Cable.....	Ea	\$325.00
<b>■ TOPCON ENGINEERS AUTO LEVELS</b>			
20-15-6061	AT-G1 Auto Level, 32X.....	Ea	\$1,970.00
20-15-6062	AT-G2 Auto Level, 32x .....	Ea	\$1,465.00
20-15-6063	AT-G3 Auto Level, 30x .....	Ea	\$1,290.00
20-15-6064	AT-G4 Auto Level, 26x .....	Ea	\$990.00
<b>■ CONSTRUCTION AUTO LEVELS</b>			
20-25-6066	AT-G6GL Auto Level, 24x.....	Ea	\$295.00

**DL DIGITAL LEVELS**

Topcon DL Series High Precision Digital Levels



**ATG SERIES LEVELS**

Topcon ATG Series Auto Levels Precision-Built For Excellent Performance!



**Electronic and Optical Level Specifications**

Model	DL-101C	DL-102C	DL-103	DL-103AF
<b>Telescope</b>				
Magnification	32X	30X	26X	26X
Field Of View	1° 20'	1° 20'	1° 30'	1° 30'
Resolving Power	3"	3"	4"	4"
<b>Measurement Accuracy (1km Double Run Loop)</b>				
Electronic	.4mm Invar Staff	1.0mm Fiberglass	+2.0mm Fiberglass	+2.0mm Fiberglass
Least Count Reading	.1mm/.01mm	1mm/.1mm	1mm/.1mm	1mm/.1mm
Optical	1.0mm	1.5mm	2.5mm	2.5mm
Measurement Range	2-100m	2-100m	2-60m	2-60m

Model	AT-G1	AT-G2/2A	AT-G3	AT-G4	AT-G6GL
<b>Telescope</b>					
Magnification	32X	32X	30X	26X	24X
Field Of View	1° 20'	1° 20'	1° 30'	1° 30'	1° 30'
Resolving Power	2.5"	2.5"	3.0"	3.5"	4.0"
Minimum Focus	3.2'	3.2'	1.6'	1.6'	1.6'
<b>Automatic Leveling</b>					
Setting Accuracy (+)	0.3"	0.3"	0.3"	0.3"	0.3"
Compensating Range (+)	15'	15'	15'	15'	15'
<b>Accuracy (1km Double Run Level Loop)</b>					
w/o Micrometer mm (+)	0.7	0.7	1.5	2.0	2.0
with Micrometer mm (+)	0.4	0.4	1.0	-	-

**PLS Pocket Lasers**

**PLS<sup>3</sup>** PLS5 and PLS3  
3-Beam Pocket Laser

**PLS<sup>5</sup> AND PLS<sup>3</sup> SPECIFICATIONS**

MADE IN USA	PLS <sup>5</sup>	PLS <sup>3</sup>
Working range:	+/- 100'	+/- 100'
Accuracy:	< 1/8" @ 100'	< 1/4" @ 100'
(all beams)	(<3mm @ 30 meters)	(<5mm @ 30 meters)
Leveling range:	+/- 8"	+/- 6"
Power supply:	3 AA batteries	3 AA batteries
Operating time:	+ 30 hrs. continuous	+ 30 hrs. continuous
Dimensions:	2 1/2" x 6 1/2" x 4 1/4"	1 1/2" x 4 1/4" x 3 1/8"
Weight:	1.7 lbs (77 kg.)	12 oz. (33 kg.)

**PLS<sup>5</sup>**  
5-Beam Pocket Laser

### Precision Positioning Systems For Land Surveyors And General Contractors



Nedo TP-5 "Tri-Clad" Tripod  
25-05-9005



Topcon TP-10 HD Wooden Tripod  
25-05-9010



Crain Tri-Max HD Q/R Tripod  
25-05-9050



Topcon TP-45 HD Aluminum Tripod  
25-05-9040



CST Aluminum Elevator Tripod  
25-05-6111



Tripod Floor Stabilizer  
25-10-5610



Tripod Adaptors  
25-10-2510  
25-10-2511



SECO 62mm Premier Prism Assemblies -30 or 0 offset



OMNI 73mm Fixed Prisms Assemblies -30 offset



OMNI "Jr." Prism Package  
30-06-0155



OMNI flashing Strobe Prism  
30-06-0106

Stock#	Description	Ea	ESC Price
<b>■ TRIPODS</b>			
25-05-6111	Elevator-Tripod Aluminum CST.....	Ea	\$340.00
25-05-6150	TP-1 Mini Tripod, Wood CST.....	Ea	\$175.00
25-05-9005	TP-5 "Tri-Clad" Tripod Nedo.....	Ea	\$195.00
25-05-9010	TP-10 HD Wooden Tripod Topcon.....	Ea	\$295.00
25-05-9040	TP-45 HD Aluminum Tripod.....	Ea	\$99.95
25-05-9050	Tri-Max HD Q/R Tripod Crain.....	Ea	\$379.95
25-05-9100	TP-100 Aluminum Tripod Topcon.....	Ea	\$65.00
<b>■ TRIPOD ACCESSORIES</b>			
25-10-2110	Quick-Fix Adaptor.....	Ea	\$32.00
25-10-2115	Tripod Elevator Adaptor 0-.8ft.....	Ea	\$90.00
25-10-2132	Tripod Adaptor, 5/8"-1/4"x20.....	Ea	\$23.00
25-10-2506	Tripod Adaptor, DW To 5/8"x11.....	Ea	\$19.95
25-10-2510	Tripod Adaptor, 5/8" To 3-1/2".....	Ea	\$49.95
25-10-2511	Tripod Adaptor, 3 1/2" To 5/8".....	Ea	\$53.95
25-10-5069	All Surface Tripod Feet.....	Ea	\$8.75
25-10-5610	Tripod Stabilizer SECO.....	Ea	\$65.95
25-10-8150	Tripod Bag SECO #8150.....	Ea	\$48.95
25-10-8151	Tripod Feet, Rubber CST SV-5069.....	Ea	\$8.25
<b>30-05 ■ SECO PREMIER PRISMS 0/30 62mm</b>			
30-05-1010	Prism Assembly, Single Tilting.....	Ea	\$169.95
30-05-1011	Prism In Canisters.....	Ea	\$148.95
30-05-1012	Single Prism Holder, W/Target.....	Ea	\$90.00
30-05-1015	Target Plate Only, (Color).....	Ea	\$45.00
30-05-2600	Triple Prism Assembly.....	Ea	\$385.50
30-05-2601	Triple Prism Holder, W/Target.....	Ea	\$109.95
30-05-2650	360° Robotic Prism Assembly SECO.....	Ea	\$750.00
30-05-2651	RC-2 Adaptor F/SECO 360° Robotic Prism.....	Ea	\$11.95
<b>■ OMNI FIXED 73mm PRISMS</b>			
30-06-0001	Complete Prism Assembly.....	Ea	\$169.95
30-06-0002	Canister Only, Lexan 73mm.....	Ea	\$35.00
30-06-0003	Retainer Screw Only.....	Ea	\$10.50
30-06-0004	Locknut (For Top Of Pole).....	Ea	\$4.00
30-06-0005	Prism In Canisters Only 73mm.....	Ea	\$125.50
30-06-0015	Holder, Single Fixed 73mm.....	Ea	\$75.00
30-06-0016	Holder, Single Tilting 73mm.....	Ea	\$72.00
30-06-0030	Triple Prism Assembly 73mm.....	Ea	\$399.95
30-06-0045	Sighting Pole.....	Ea	\$15.00
<b>■ OMNI 1210 62mm TILTING PRISMS</b>			
30-06-0100	Prism In Canister Only 62mm.....	Ea	\$139.00
30-06-0105	Tilting Prism With Target 62mm.....	Ea	\$139.95
30-06-0106	Strobe Prism Assembly W/Target.....	Ea	\$209.95
30-06-0110	Holder, Tilting W/Target 62mm.....	Ea	\$79.00
30-06-0125	Prism, Triple Assembly Tilt 62mm.....	Ea	\$406.95
30-06-0130	Holder, Triple Tilt-Target 62mm.....	Ea	\$110.00
30-06-0131	Friction Spring (Replacement).....	Ea	\$1.80
30-06-0132	Yoke Adaptor Fitting (Replace).....	Ea	\$9.00
30-06-0150	Lens Covers, All Types 62mm.....	Ea	\$4.00
<b>■ INCITE MINI PRISMS</b>			
30-06-0155	INCITE Mini Prism Package.....	Ea	\$149.95
<b>■ ADHESIVE RETRO PRISM TARGETS</b>			
30-06-1700	Retro Targets, 0-Offset, 40mm.....	Ea	\$5.75
30-06-1710	Retro Targets, 0-Offset, 60mm.....	Ea	\$7.50
30-06-1720	Retro Targets, 30mm 49-Count.....	Sheet	\$130.00



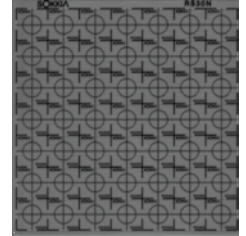
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Stock#	Description	Ea	ESC Price
<b>■ PRISM BAGS</b>			
30-15-8070	Prism Bag, Single Seco 8070 .....	Ea	\$37.95
30-15-8080	Prism Bag, Triple Seco 8080.....	Ea	\$39.95
30-15-8081	Prism Bag, Jumbo Seco 8081.....	Ea	\$55.95
30-15-8130	Prism Bag, Extra Tall Seco 8130.....	Ea	\$58.95
<b>■ TRIBRACHS OPTICAL AND LASER</b>			
35-05-2152	Tribrach With Optical Plummet .....	Ea	\$239.00
35-05-4635	Tribrach, "Laser Plummet" CST .....	Ea	\$295.00
35-05-5501	Tribrach, "Opt-Plummet" TOPCON .....	Ea	\$394.95
35-05-5502	Tribrach, "No-Plummet" TOPCON .....	Ea	\$299.79
35-05-8072	Tribrach Adjuster With Vial.....	Ea	\$99.00
35-05-8073	Tribrach Adjuster WO/Vial .....	Ea	\$47.95
<b>■ TRIBRACH ADAPTERS</b>			
35-15-1840	Tribrach Adapter, Fixed .....	Ea	\$40.00
35-15-1841	Tribrach Adapter, Rotating .....	Ea	\$64.95
35-15-1842	Prism HI Height Adaptor.....	Ea	\$79.95
35-15-1841	Tribrach Adapter (GPS).....	Ea	\$129.95
<b>■ DISTO HAND HELD DISTANCE METERS</b>			
35-35-0001	A2 0.05M - 60M Indoor Unit +/- 3mm .....	Ea	\$229.00
35-35-0002	A3 0.05M - 100M Indoor/Outdoor +/- 3mm .....	Ea	\$299.00
35-35-0003	A5 0.05M - 200M Indoor/Outdoor +/-1.5mm (BT) .....	Ea	\$449.00
35-35-0004	A6 0.05M - 200M Indoor/Outdoor +/-1.5mm .....	Ea	\$649.00
35-35-0005	A8 0.05M - 200M Indoor/Outdoor +/-1.5mm (Tilt).....	Ea	\$995.00



30-06-1700  
Stick-On Retro Reflectors  
40mm and 60mm Sizes



30-06-1720  
Stick-On Retro Reflector  
49-Count 30mm Size



SECO Single Prism Bag 30-15-8070  
SECO Triple Prism Bag 30-15-8080  
SECO Jumbo Prism Bag 30-15-8081  
SECO Ex-Tall Prism Bag 30-15-8130

## DISTO By Leica

Hand Held Distance Meters

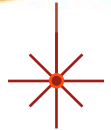


A8 A6 A5 A3 A2



Topcon  
Tribrach w/Optical Plummet  
35-05-5501

CST  
Laser Plummet Tribrach  
35-05-4635



OMNI 1210 Series Prisms  
Metal Yoke -30/0mm Offsets  
30-06-0105



OMNI 3420 Series Prism  
34mm Leica Compatible



SECO  
Prism HI Height Adaptor  
35-15-1842



SECO  
Fixed Tribrach Adaptor  
35-15-1840



SECO  
Rotating Tribrach Adaptor  
35-15-1841



SECO 360° Robotic Prism  
Six 35mm Prisms @ 0-Offset  
30-05-2650



Topcon A-7S 360° Prism  
5/8" Threaded  
05-06-0604

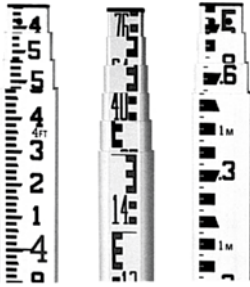


SECO  
Tribrach Adjuster  
35-05-8072

### Precision Positioning Systems For Land Surveyors And General Contractors

#### CRAIN

#### Fiberglass Rods



LaserLine Direct  
Elevation "Lenker Style"



Prism Mounting  
Adaptor Kit  
40-08-1058



SECO  
Carbon Fiber Prism Poles  
40-50-5055 8.5' (2.5m)

SECO  
Quick Release Prism Poles  
40-50-5055 8.5'  
40-50-5044 12'



SECO  
TLV TwistLoc Prism Poles  
40-50-5042 8.5'  
40-50-5041 12'  
40-50-5040 15'

TwistLoc Detail



1' Prism Pole extension



4' Prism Pole extension



Stock#	Description	Ea	ESC Price
<b>■ CRAIN FIBERGLASS RODS</b>			
40-07-3220	20' SECO Fiberglass Rod With Case .....	Ea	\$109.95
40-07-3040	25' SVR Series With Case .....	Ea	\$189.95
40-07-6280	8' CR-Series No Case .....	Ea	\$51.00
40-07-6281	13' CR-Series No Case .....	Ea	\$74.25
40-07-6286	16' CR-Series No Case .....	Ea	\$90.50
40-07-6287	45' LR-Pro Rod w/Case, 10ths .....	Ea	\$483.00
<b>■ FIBERGLASS ROD ACCESSORIES</b>			
40-08-0125	USL/SVR-25 Lock Set Complete .....	Ea	\$36.95
40-08-1058	Prism Mounting Adaptor Kit .....	Ea	\$17.00
40-08-1075	USL/SVR Caliper Or Hook .....	Ea	\$14.25
40-08-1124	SVR Sensor Mount "Top" .....	Ea	\$38.71
40-08-1125	SVR Sensor Mount "Side" .....	Ea	\$67.00
40-08-4014	Carry Case for CR-Series Rod .....	Ea	\$10.75
40-08-4015	Carry Case, 25' SVR Series .....	Ea	\$10.75
40-08-9120	SVR, Button Set .....	Set/5	\$9.95
40-08-9125	CR, Button Set .....	Set/4	\$8.13
<b>■ PHILADELPHIA RODS</b>			
40-17-3302	Replace Face, 13' Philly Rod .....	Ea	\$39.00
40-24-0002	Grade Stick, 6' PVC Round .....	Ea	\$28.95
40-24-0003	Grade Stick, 10' PVC Round .....	Ea	\$41.00
<b>■ LASERLINE DIRECT ELEVATION ROD</b>			
40-25-0003	10' Optical, 10/100ths .....	Ea	\$165.00
40-25-0004	3-M Optical, Metric 1/2cm .....	Ea	\$165.00
40-25-0012	10' Laser-Rail, Inches .....	Ea	\$185.00
40-25-0013	10' Laser-Rail, 10/100ths .....	Ea	\$185.00
40-25-0014	10' Laser-Rail, CF/10/100ths .....	Ea	\$185.00
40-25-0015	3-M Laser-Rail, Metric 1/2cm .....	Ea	\$185.00
40-25-0016	B1, Universal Sensor Bracket .....	Ea	\$65.00
40-25-0017	B2, SP 1177-75 Sensor Bracket .....	Ea	\$90.00
40-25-0020	Laserline Carry Case 10'/3m .....	Ea	\$35.00
40-25-0021	4' Rod Extension 10'/3M Rod .....	Ea	\$65.00
<b>■ LASERLINE REPLACEMENT TAPES</b>			
40-25-0031	Tape Only, 10' 10/100ths .....	Ea	\$60.00
40-25-0032	Tape Only, 10' C/F 10/100ths .....	Ea	\$60.00
40-25-0033	Tape Only, 3M C/F Metric 1/2cm .....	Ea	\$60.00
40-25-0034	Tape Only, 10' C/F Inches .....	Ea	\$60.00
<b>■ POCKET RODS</b>			
40-30-0610	Pocket Rod, 6.5' .....	Ea	\$19.95
<b>■ RODS LEVEL</b>			
40-40-6200	HD Rod Level .....	Ea	\$17.00
<b>■ RANGE POLES &amp; ACCESSORIES</b>			
40-45-7140	8' 2-4' Sections w/o Case .....	Ea	\$54.95
40-45-7150	12' Range Pole, 3-4' Sections .....	Ea	\$71.95
40-45-7160	4' 1-4' Section Only .....	Ea	\$28.95
40-45-8170	Range Pole Bag, Seco 8170-00 .....	Ea	\$18.95
<b>■ SECO PRISM POLES</b>			
40-50-5040	TLV Twistloc, 15' Seco 5500-30 .....	Ea	\$224.95
40-50-5041	TLV Twistloc, 12' Seco 5500-21 .....	Ea	\$164.95
40-50-5042	TLV Twistloc, 8' Seco 5500-11 .....	Ea	\$140.95
40-50-5045	Quick Release 8' Seco 5700-10 .....	Ea	\$144.95
40-50-5046	TLV Twistloc 4.8' Seco 5500-23 .....	Ea	\$199.95
40-50-5047	1' Mini Stakeout Rod, Seco 5010-00 .....	Ea	\$71.95
40-50-5055	TLV Carbon Fiber 8' Robotics Pole Seco 5129-54 .....	Ea	\$269.95
40-50-5105	Height Adaptor For 40-50-5055 .....	Ea	\$16.95

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Stock#	Description	Ea	ESC Price
<b>■ CRAIN COMPOSITITE PRISM POLES</b>			
40-50-5124	Crain 8' Compositite Prism Pole.....	Ea	\$179.95
40-50-5125	Crain 12' Compositite Prism Pole.....	Ea	\$229.50
40-50-5126	Crain 15' Compositite Prism Pole.....	Ea	\$294.95
<b>■ PRISM POLE ADAPTERS</b>			
40-55-2080	5/8" Thread To Wild Type .....	Ea	\$22.95
40-55-2090	Wild Type To 5/8" Thread .....	Ea	\$24.95
40-55-5180	Double-Ended 5/8"x11" Male .....	Ea	\$14.00
40-55-5181	Double-Ended 5/8"x11" Female .....	Ea	\$13.95
<b>■ PRISM POLE ACCESSORIES</b>			
40-60-4000	True Plumb Prism Pole Adjuster .....	Ea	\$199.99
40-60-4001	Offset Pole Holder Kit.....	Ea	\$94.95
40-60-4900	Prism Pole Adjusting Jig SECO .....	Ea	\$49.95
40-60-5000	Prism Pole Hard Case SECO .....	Ea	\$88.75
40-60-5001	Heads-Up Vial Assembly.....	Ea	\$75.00
40-60-5004	Rubber Pole Grip .....	Ea	\$8.00
40-60-5080	40' Vial Holder Assembly SECO .....	Ea	\$29.50
40-60-5084	20' Vial Holder Assembly, SECO .....	Ea	\$33.69
40-60-5085	10' Vial Holder Assembly, SECO .....	Ea	\$34.95
40-60-5110	4' Prism Pole Extension .....	Ea	\$38.00
40-60-5130	1' Prism Pole Extension .....	Ea	\$30.00
40-60-5131	2' Prism Pole Extension .....	Ea	\$34.95
40-60-5199	Rod-Rest Aluminum Lightweight Bipod.....	Ea	\$139.95
40-60-5200	Bipod-Composite For Prism Pole.....	Ea	\$295.00
40-60-5211	Bipod-Aluminum For Prism Pole.....	Ea	\$139.95
40-60-5217	Bipod 12" Seco 5217-15.....	Ea	\$51.95
40-60-5218	Tripod-Aluminum, F/Prism Pole .....	Ea	\$184.95
40-60-5219	Prism Pole Leg Clamp For Bipod SECO 5217-30 .....	Ea	\$12.95
40-60-7191	Topo Shoe, Standard 5191 .....	Ea	\$12.95
40-60-7192	Topo Shoe, Wide Base 5192.....	Ea	\$24.95
40-60-7193	Point Only "Standard".....	Ea	\$9.95
40-60-7194	Pole Point w/Replaceable Tip .....	Ea	\$8.95
40-60-7196	Replacement Tip F/40-60-7194.....	Ea	\$2.50
40-60-8160	Bag, For Prism Pole Only.....	Ea	\$36.95
40-60-8180	Bag, For Prism Pole W/Bipod .....	Ea	\$50.95
40-60-8181	Mini Prism Mono Pod, Wo/Prism .....	Ea	\$129.95

**CRAIN**



**CRAIN**  
Composite Prism Poles  
40-50-5124 8'  
40-50-5125 12'  
40-50-5126 15'



True Plumb Pole Adjuster  
40-60-4000



Bipod Leg Clip  
40-60-5219



SECO  
Thumb Release Bipod  
Aluminum  
40-60-5211



SECO  
Thumb Release Bipod  
Carbon Fiber  
40-60-5200



Rod-Rest  
40-60-5199

Aluminum Tripod  
For Prism Poles  
40-60-5218



Mini Prism  
Mono Pod Kit  
40-60-8181

"Prism sold separately"



Offset Pole Holder Kit  
40-60-4001



"Heads-Up" Pole Vial  
40-60-5001



Bipod 12" kickstand  
40-60-5217



Standard  
Topo Shoe  
40-60-7191



Wide Base  
Topo Shoe  
40-60-7192



Pole Point  
with Replaceable Tip  
40-60-7194



Pole Adaptor  
5/8" to Wild Type  
40-55-2080



Pole Adaptor  
Wild Type to 5/8"  
40-55-2090



Pole Adaptor  
Double Female 5/8"x11  
40-55-5181



Pole Adaptor  
Double 5/8"x11 Male  
40-55-5180





## Precision Positioning Systems For Land Surveyors And General Contractors



### Motorola CP-110 Portable Radios

#### The Features You're Looking For

With adjustable power levels and programable function controls, the Radius CP110 provides users with the flexibility and features they need to succeed. Fully equipped with voice-activated Transmission (VOX) capabilities\*, the Radius CP110 supports hands-free communications via an optional headset, so users can stay on the job at hand.

- Rugged, Durable Design
- Battery Gauge
- Extended Life NiMH Battery
- AA Battery Backup Capacity
- 121 Private Line Codes
- Large LCD Display
- Microphone Accessory Jack



### Motorola CP-200 Portable Radio

#### The Features You're Looking For.

- Rugged, Durable Design
- 4 or 16 Channel Models
- 4W UHF and 5W VHF Models
- Extended Life NiMH Battery
- AA Battery Backup Capacity
- Microphone Accessory Jack



Stock#	Description	Ea	ESC Price
<b>■ MOTOROLA T5500A TALKABOUT RADIOS</b>			
50-04-0100	Talkabout Radios (2-Pack).....	2-Pk	\$99.95
50-04-0110	Talkabout Earbud single-pin.....	Ea	\$10.50
50-04-0115	Talkabout Earpiece w/microphone.....	Ea	\$19.95
50-04-0120	Talkabout Headset w/Boom Microphone.....	Ea	\$17.95
<b>■ MOTOROLA CP110 RADIOS, 2-Watt, 2-Chan. VHF</b>			
50-05-0100	CP110, VHF 2W 2CH H96KCC9AA2AA.....	Ea	\$267.00
50-05-0105	CP110 Battery Pack Li-Ion 2200 mAh RLN6351A.....	Ea	\$79.95
50-05-0106	CP110 Battery Pack, Alkaline (Holds AA Batteries).....	Ea	45.00
50-05-0110	CP110 Headset w/Swivel Boom Mic. HMN9013AP.....	Ea	\$57.00
50-05-0115	CP110 Remote Speaker Microphone PMMN4013A.....	Ea	\$73.50
50-05-0120	CP110 Hard Leather Carry Holster RLN6302A.....	Ea	\$55.00
<b>■ MOTOROLA CP200 RADIOS</b>			
50-07-0200	CP200 Radio VHF 5-Watt 4-Chan.....	Ea	\$394.95
50-07-0210	CP200 10hr Desktop Charger.....	Ea	\$27.00
50-07-0215	CP200 90-Minute Charger Base Only CP200.....	Ea	\$4900
50-07-0220	CP200 90 Minute Rapid Charger.....	Ea	\$15.00
50-07-0225	CP200 NIMH Battery 1400mah NNTN4851.....	Ea	\$63.00
50-07-0230	CP200 Speaker Microphone.....	Ea	\$73.50
50-07-0235	CP200 Belt Clip.....	Ea	\$6.00
50-07-0240	CP200 Nylon Case.....	Ea	\$24.00
<b>■ RADIUS RADIO ACCESSORIES</b>			
50-10-4124	SP 21 2.75" Belt Spring Clip.....	Ea	\$4.00
50-10-5738	SP50 Speaker Microphone Clip.....	Ea	\$15.95
50-10-6502	Antenna, P&SP10/50, P100.....	Ea	\$11.75
50-10-6602	Universal Chest pack.....	Ea	\$38.00
50-10-6724	Spirit GT Speaker Microphone.....	Ea	\$39.95
50-10-6774	SP10 Earpiece with Microphone.....	Ea	\$51.00
50-10-6775	SP10 Ext VOX Adapter For Above.....	Ea	\$40.00
50-10-8371	SP10 10Hr Desktop Charge Tray.....	Ea	\$17.00
50-10-8435	SP10 Earbud w/Clip Microphone & PTT.....	Ea	\$40.00
50-10-8437	SP10 Antenna, Mag Ext Mount.....	Ea	\$35.00
50-10-9013	SP50 Headset w/Microphone w/o Vox.....	Ea	\$58.00
50-10-9013B	SP50 3 Hr Desktop Charger.....	Ea	\$55.00
50-10-9014	Charger 10hr SP50.....	Ea	\$35.00
50-10-9015	SP50 1hr Conditioning Charger.....	Ea	\$80.00
50-10-9016	SP50 Cigarette Lighter Adapter.....	Ea	\$7.00
50-10-9026	Charger, 3hr Desktop SP10.....	Ea	\$51.50
50-10-9036	SP50 Earbud w/Microphone & PTT.....	Ea	\$40.00
50-10-9042	P1225 Intelli Charge Charger 90.....	Ea	\$55.00
50-10-9083	P50 Remote Speaker/Microphone.....	Ea	\$65.00
50-10-9125	SP50 Hard Leather Case Tall.....	Ea	\$40.00
50-10-9133	SP50 Ext VOX Adapter.....	Ea	\$57.00
50-10-9147	SP21/SP50 Nylon Case Short.....	Ea	\$24.00
50-10-9148	SP50/P50 Nylon Case Tall.....	Ea	\$24.00
50-10-9149	P50 Swivel Belt Loop Adaptor.....	Ea	\$8.00
<b>■ MOTOROLA RADIO BATTERIES</b>			
50-15-5414	Battery Pack, HT-600 (H).....	Ea	\$75.00
50-15-7434	Battery Pack, HT90 500mAH.....	Ea	\$63.00
50-15-8148	Battery Pack, P110.....	Ea	\$80.00
50-07-0225	CP200 NIMH Battery 1400mah NNTN4851.....	Ea	\$60.00
50-05-0105	Battery Pack, CP100, 1500mAh NTN8971B.....	Ea	\$29.99
50-15-9018	SP50, 1-5W 7.5v HNN9018AR.....	Ea	\$45.00
50-15-9027	P50, 5W 11.25v HNN9027A.....	Ea	\$53.00
50-15-9044	SP10/21/P50-SP50, 2w HNN9044AR.....	Ea	\$35.00
50-15-9049	Battery Pack, P1225 1200mAH HNN9049A.....	Ea	\$83.00
<b>■ REMOTE SPEAKER MICS. HEADSETS ECT.</b>			
50-07-0230	Speaker Microphone, SP50/P1225/CP200.....	Ea	\$73.50
50-07-0235	SP21/50/P1225/CP200 Belt Clip.....	Ea	\$6.00
50-05-0110	CP100 Headset w/Swivel Boom Microphone.....	Ea	\$50.00
50-05-0115	Speaker Microphone, CP100/SP21/SP10.....	Ea	\$57.50

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Stock#	Description	Ea	ESC Price
<b>■ SCHONSTEDT METAL LOCATORS</b>			
45-05-0050	GA-72Cd, Locator W/Hard Case.....	Ea	\$895.00
45-05-0051	Mac-51BX, Locator W/Hard Case.....	Ea	\$2,495.00
45-05-0052	GA-52Cx, Locator W/Hard Case.....	Ea	\$799.95
45-05-0060	DML-2000, Locator W/Hard Case.....	Ea	\$675.00
<b>■ CST MAGNETIC LOCATORS</b>			
45-05-0062	Magna-Trak 200 LCD With Audio .....	Ea	\$695.00
45-05-0063	Magna-Trak 202 LCD With Audio .....	Ea	\$749.00
<b>■ SUBSURFACE MAGNETIC LOCATORS</b>			
45-05-0074			
45-05-0075	ML-1 Subsurface Mag-Locator.....	Ea	\$795.95
45-05-0076	ML-1M Subsurface Mag-Locator.....	Ea	\$885.00
<b>■ DUNHAM &amp; MORROW MAGNETIC LOCATORS</b>			
45-05-0060	DML-2000 Magnetic Locator.....	Ea	\$675.00

**Magnetic Locators**



**SCHONSTEDT**  
GA-52Cx Magnetic Locator  
45-05-0052

**SCHONSTEDT**  
GA-72Cd Metered Locator  
45-05-0005



**SCHONSTEDT**  
Mac-51BX Magnetic and  
Cable Locator  
45-05-0051



**Dunham & Morrow**  
DML-2000 Locator w/Hard Case  
45-05-0060  
**Lifetime Warranty**



**SubSurface Instruments**



"LIFETIME WARRANTY"

**CST**  
CST Corporation



**Magna-Trak 200 Series Magnetic Locator**  
**Features:**

- Large LCD Display w/Digital Readout
- Segmented Battery Level Indicator
- Erase Function (MT202 Only) Blocks Out Interference
- Sealed Membrane Switch
- Enhanced Magnetic Speaker
- Lightweight (only 3lbs.)
- 100% Water Resistant
- Padded Cordura Carry Case

### Precision Positioning Systems For Land Surveyors And General Contractors

#### Surveying Accessories

Stock#	Description	Ea	ESC Price
<b>■ KUKER RANKEN BRASS HAND LEVELS</b>			
60-06-0572	572S Brass Hand Level KR 2x Stadia 5-7".....	Ea	\$124.00
60-06-0573	Hand Level Case For KR All .....	Ea	\$12.40
60-06-0573	Hand Level David White, 2-1/2X w/Stadia .....	Ea	\$85.00
<b>■ SECO HAND LEVELS</b>			
60-06-0801	Seco 4300 2X K-R Style .....	Ea	\$99.95
<b>■ ABNEY HAND LEVELS</b>			
60-07-4715	Abney Level W/Clino. 8047-15.....	Ea	\$109.00
60-07-4745	Topo Abney Level 8047-45.....	Ea	\$195.00
<b>■ RIGHT ANGLE PRISMS</b>			
60-10-6220	Double Right Angle Prism .....	Ea	\$99.95
<b>■ COMPASSES AND CLINOMETERS</b>			
60-20-0001	Brunton Transit, Azimuths 0-360.....	Ea	\$265.00
60-20-0002	Brunton Transit, Quads 0-90.....	Ea	\$265.00
60-25-2505	Navigator Compass/Clino AZ.....	Ea	\$45.95
60-25-2506	Navigator Compass/Clino Quads.....	Ea	\$45.95
60-25-2510	Compass-KB-20, Plastic Body.....	Ea	\$59.95
60-25-2520	Compass-KB-14, Aluminum Body.....	Ea	\$149.95
60-25-2525	Rubber Cover, For KB-14.....	Ea	\$14.67
60-25-2575	PM5 Clinometer, Degree/Percent .....	Ea	\$169.44
60-25-7009	Case-Skylon, Comp-Clinometer.....	Ea	\$6.95
60-25-7011	Case-Leather, Compasses & Clinometer.....	Ea	\$9.95
<b>■ POCKET ALTIMETERS</b>			
60-40			
60-40-1200	Altimeter/Barometer 100'-13000 .....	Ea	\$99.95
60-40-1201	Altimeter Case, Leather .....	Ea	\$21.99
<b>■ THERMOMETERS &amp; PSYHROMETER</b>			
60-45-0602	Pocket Digi-Thermometer D302.....	Ea	\$23.50
60-45-0610	Surveyors Pocket Thermometer .....	Ea	\$29.25
60-45-0650	Pocket Digi-Thermometer D450.....	Ea	\$47.50
60-45-0675	Asphalt Thermometer 1" QPP .....	Ea	\$45.25
60-45-0705	Concrete/Asphalt Thermometer H .....	Ea	\$50.75
60-45-0800	Surface Thermometer, Dual Dial.....	Ea	\$42.50
<b>■ TALLY COUNTERS</b>			
60-60-9211	Tally Counter, Hand.....	Ea	\$10.95
<b>■ POCKET TAPE ACCESSORIES</b>			
65-00-0460	Grip Tip Tape Tip.....	Ea	\$0.99
65-00-0664	Pocket Tape Holder, 16-30'.....	Ea	\$8.95



David White 2-1/2X Hand Level  
60-06-0575



Kuker Ranken 2X Hand Level  
60-06-0572



Abney Level, Sokkia 8047-15  
60-07-4715



Topographic Abney Level  
60-07-4745



Suunto Compass / Clinometer  
60-25-2520 60-25-2575



Rubber Cover  
60-25-2525



Leather Case  
60-25-7011



Navigator Compass/Clinometers



Surveyors Pocket  
Thermometer  
60-45-0610



Asphalt Thermometer  
60-45-0675



Pocket Altimeter  
60-40-1200



Pocket Digi-Thermometer  
60-45-0602



Brunton Transit w/Leather Case  
60-20-0001



Hand Tally Counter  
60-60-9211



Double Right Angle Prism  
60-10-6220



Our Low Prices Will Earn Your Business, The Great Customer Service Will Keep It!

Stock#	Description	Ea	ESC Price
<b>POCKET TAPES</b>			
65-05-0005	12' 10ths/Inches Lufkin HV1312D	Ea	\$13.95
65-05-0012	12' 10ths/Inches Seco 4769-12	Ea	\$11.95
65-05-0013	12' 10ths/Metric Seco 4769-13	Ea	\$11.95
65-05-0024	25' 10ths/Inches XL-Series Super Wide Eng.	Ea	\$16.99
65-05-0025	25' Pro Series-3000 PS3425D	Ea	\$18.95
65-05-0026	25' 10ths/Metric Seco 4769-01	Ea	\$15.95
65-05-0027	25' 10ths/Inches Seco 4769-02D	Ea	\$15.95
65-05-0028	33' 10ths/Inches Seco 4769-04	Ea	\$18.95
65-05-0033	33' Chrome Case Lufkin 2133D	Ea	\$26.95
65-05-0034	33' 10ths/Metric Lufkin HV1433DM	Ea	\$18.95
65-05-0035	33' 10ths/Metric Seco 4769-06	Ea	\$18.95
65-05-0036	Belt clip holder for pocket tape Lufkin #462	Ea	\$4.99
65-05-0037	Leather pocket tape holster Lufkin #464	Ea	\$6.00
<b>OPEN REEL FIBERGLASS TAPES</b>			
65-10-0010	Fiberglass Tape 50' 10ths/Met	Ea	\$19.95
65-10-0020	Fiberglass Tape 100' 10ths/Met	Ea	\$34.99
65-10-0040	Fiberglass Tape 200' 10ths/Met	Ea	\$79.99
65-10-0050	Fiberglass Tape 300' 10ths/Met	Ea	\$89.99
<b>METAL CASE CLOSED REEL TAPES</b>			
65-15-8100	Metal Case Steel Tape, 100' Inch	Ea	\$19.99
<b>K-LINE COATED "STEEL" TAPES</b>			
65-20-8210	K-Line Nylon Clad 100' Tape	Ea	\$49.99
65-20-8220	K-Line Nylon Clad 200' Tape	Ea	\$79.99
65-20-8230	K-Line Nylon Clad 300' Tape	Ea	\$89.99
<b>FOLDING RULERS</b>			
65-35-1066	Folding Ruler 6' HD (1066D)	Ea	\$17.95
65-35-8075	6.5' Jumbo Ruler Sokkia	Ea	\$76.95
<b>BMI STAINLESS STEEL TAPES</b>			
65-50-1150	Frame Tape, 1/2"x100' Stainless	Ea	\$124.98
65-50-1275	Frame Tape, 1/2"x200' Stainless	Ea	\$206.95
65-50-1375	Frame Tape, 1/2"x330', Stainless	Ea	\$264.95
<b>CHAIN PARTS &amp; ACCESSORIES</b>			
65-60-0085	Tape Tension Handle, 30 Lb.	Ea	\$139.95
65-60-0086	Tape Tension Handle, 50 Lb.	Ea	\$219.95
65-60-0584	Tape Clamp Handle	Ea	\$34.25

Measuring Tapes and Chains



Lufkin  
12' Hi-Viz Series  
65-05-0012



Lufkin  
12' Hi-Viz Series Metric  
65-05-0012



Lufkin  
25' Pro Series 3000  
65-05-0025



Lufkin  
33' Metric-Decimal  
Plastic Case  
65-05-0034



Lufkin  
33' Chrome Case Lufkin  
2133D  
65-05-0033



Seco  
25' Power Lock  
65-05-0027



Seco  
33' Power Lock  
65-05-0028



Lufkin  
Ultra-Glass Closed Reel  
Fiberglass Tape



Keson  
K-Line Plastic Coated Steel Tapes  
100' 200' 300' Lengths



Keson  
Open Reel Fiberglass Tape  
50' 100' 165' 200' 300'

Quality Folding Rulers



Lufkin  
6' Folding Engineers Tapes  
10ths-Inches/Decimal-10ths



Sokkia  
6.5' Jumbo  
Folding Ruler



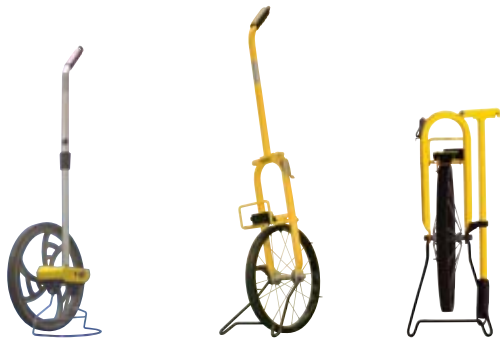
BMI Stainless Steel Tapes  
1/2" X 100', 200' 330'  
Graduated in Feet, 10ths, 100ths.

## Precision Positioning Systems For Land Surveyors And General Contractors

### Keson Digital Measuring Wheel



Keson "Tuff" Measuring Wheels



Plumb Bobs and Accessories



Paper and Plastic Targets



Gammon Reels and String



Stock#	Description	Ea	ESC Price
<b>■ KESON MEASURING WHEELS</b>			
65-70-0012	RR-112, 4" Wheel.....	Ea	\$36.95
65-70-0013	RR-182 Twin, 2-4" Wheels.....	Ea	\$66.25
65-70-0020	MP-401, 15-1/2" Wheel.....	Ea	\$139.99
65-70-0030	RR-30, 12-1/2" Wheel.....	Ea	\$89.95
65-70-0050	MP-301, 11-1/2" Wheel.....	Ea	\$119.95
65-70-6415	MP-401E 15-1/2" Digital Measuring Wheel.....	Ea	\$169.99
<b>■ PLUMB BOBS</b>			
70-05-0010	10 Oz. Plumb Bob.....	Ea	\$13.95
70-05-0012	12 Oz. Plumb Bob.....	Ea	\$14.95
70-05-0014	14 Oz. Plumb Bob.....	Ea	\$15.95
70-05-0016	16 Oz. Plumb Bob.....	Ea	\$16.95
70-05-0018	18 Oz. Plumb Bob.....	Ea	\$17.95
70-05-0024	24 Oz. Plumb Bob.....	Ea	\$21.95
70-05-0032	32 Oz. Plumb Bob.....	Ea	\$27.95
70-05-0048	48 Oz. Plumb Bob.....	Ea	\$69.00
<b>70-10 ■ SCABBARDS</b>			
70-10-0812	Scabbard For Plumb Bob 8-10oz.....	Ea	\$7.67
70-10-1014	Scabbard For Plumb Bob 14-16oz.....	Ea	\$7.95
70-10-1558	Scabbard For Plumb Bob 18-24oz.....	Ea	\$8.11
70-10-1618	Scabbard For Plumb Bob 32oz.....	Ea	\$8.95
<b>■ TARGETS</b>			
70-15-0020	Red & White Plastic Target.....	Ea	\$1.50
70-15-0025	Translucent Plastic Target.....	Ea	\$1.60
70-15-0040	Q/Stick Targets, 2x3.5" 25/Pk.....	Ea	\$3.50
70-15-0050	Q/Stick Target, 4"x 4" Each.....	Ea	\$1.15
<b>■ PLUMB BOB POINTS &amp; CAPS</b>			
70-20-0090	Plumb Bob Point.....	Ea	\$1.85
70-20-0093	Plumb Bob Cap.....	Ea	\$2.95
<b>■ GAMMON REELS &amp; STRING</b>			
70-25-0001	Gammon Reel, 6'.....	Ea	\$11.60
70-25-0012	Gammon Reel, 12'.....	Ea	\$15.03
70-25-0020	Gammon Reel String.....	Ea	\$5.50
<b>■ HAND TOOLS</b>			
70-30-0004	Shovel, "Mini" 18" Handle.....	Ea	\$12.96
70-30-0005	Shovel, Round Point.....	Ea	\$23.95
70-30-0006	Digging Bar, 14lbs 60" Long.....	Ea	\$25.16
70-30-0016	Geology Pick, 16oz Plumb.....	Ea	\$26.38
70-30-0020	Sheath, For Hunters Belt Axe.....	Ea	\$6.50
70-30-0021	Hunters Belt Axe w/Sheath.....	Ea	\$23.12
70-30-0028	Sledge Hammer 2Lb 16" Handle.....	Ea	\$8.11
70-30-0031	Sledge Hammer 3Lb 16" Wood Handle.....	Ea	\$13.16
70-30-0036	Sledge Hammer 4Lb 16" Wood Handle.....	Ea	\$14.98
70-30-0040	Sledge Hammer 8Lb Wood Handle.....	Ea	\$22.66
70-30-0042	Sledge Hammer 10Lb Wood Handle.....	Ea	\$27.80
70-30-0050	Sledge Hammer 12Lb Wood Handle.....	Ea	\$29.95

- Call Toll Free 1-800-788-3307 -

Our Low Prices Will Earn Your Business, The Great Customer Service Will Keep It!

Stock#	Description	Ea	ESC Price
<b>TOOL POUCHES &amp; LEVELS</b>			
70-30-0055	Tool Pouch, 2-Tier 8-Pocket.....	Ea	\$36.67
70-30-0056	SECO Surveyors Tool Pouch .....	Ea	\$44.95
70-30-0060	Tool Pouch, 3-Tier 9-Pocket.....	Ea	\$52.22
70-30-0102	Leather Work Belt, 1-3/4"Wide.....	Ea	\$15.11
70-30-0103	Leather Work Belt, 2-3/4"Wide.....	Ea	\$30.44
70-30-0113	Smart Level, 4' With Hard Case.....	Ea	\$204.95
70-30-0121	Bull's Eye Surface Level .....	Ea	\$3.00
70-30-0125	Torpedo Level 8" Magnetic Edge .....	Ea	\$10.95
70-30-0127	Universal Level, Angles.....	Ea	\$18.99
<b>MACHETES &amp; BRUSH AXES</b>			
70-30-0130	Machete, 22" With Hand Guard .....	Ea	\$25.95
70-30-0135	Leather Sheath, 22" Machete.....	Ea	\$21.95
70-30-0155	Bush Hook (Single) .....	Ea	\$49.95
70-30-0160	Replacement Handle For Bush Hook .....	Ea	\$9.00
70-30-0165	Sandvik Brush Axe .....	Ea	\$36.95
70-30-0168	Sandvik Brush Axe Holster.....	Ea	\$10.95
70-30-0170	Sandvik Brush Axe-Replace Handle .....	Ea	\$8.24
70-30-0175	Sandvik Brush Axe, Replacement Blade.....	Ea	\$8.95
<b>CONCRETE SCRIBES</b>			
70-30-0194	Concrete Scribe, w/ Magnet.....	Ea	\$6.50
70-30-0195	Concrete Scribe, Giant.....	Ea	\$3.95
70-30-0196	Concrete Scribe, Premium.....	Ea	\$3.95
70-30-0197	Concrete Scribe, Premium.....	Ea	\$3.95
70-30-0197A	Scribe Replacement Point 2 Pack.....	2-Pk	\$3.00
<b>CHISELS, GADS &amp; PUNCHES</b>			
70-30-0200	Chisel, w/Guard, 2-1/4" Cut.....	Ea	\$12.75
70-30-0207	Gad, w/Guard Bull Point 12" x 3/4" .....	Ea	\$14.50
70-30-0240	Star Drill w/Guard 12"x 7/8".....	Ea	\$9.45
70-30-0252	Center Punch, 6" Long.....	Ea	\$5.95
<b>MANHOLE PULLERS &amp; SOIL PROBES</b>			
70-30-0300	Manhole Cover Puller.....	Ea	\$30.95
70-30-0305	Soil Probe, 48" Fiberglass.....	Ea	\$32.00
70-30-0306	Soil Probe, 48" Steel.....	Ea	\$41.95

Hand Tools





### Precision Positioning Systems For Land Surveyors And General Contractors

## Drafting Accessories



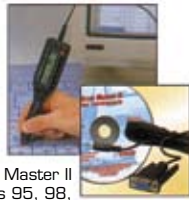
Pocket Stereo Viewer



Pocket Magnifiers

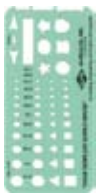


Scale Master II  
Scale Master Classic



PC Interface For Scale Master II  
Use with Windows 95, 98,  
2000, ME and XP

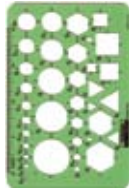
Small Shapes T-41  
Pocket Template



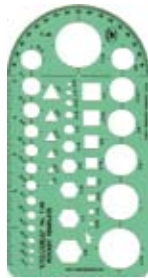
All Purpose R-16  
Pocket Template



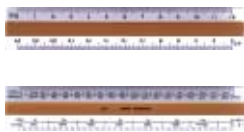
Pocket Pal R-50



Pocket Template T-48



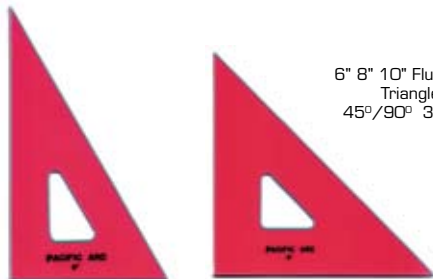
6" Flat Scales  
For Engineers and  
Architects



Surveyor's Template TD-654



4" 6" 12" Triangular Scales  
For Engineers and Architects



6" 8" 10" Fluorescent  
Triangles,  
45°/90° 30°/60°

Stock#	Description	Ea	ESC Price
<b>■ STEREOSCOPIES</b>			
75-15-1154	Pocket Stereo Viewer, 2x.....	Ea	\$34.95
<b>■ POCKET MAGNIFIERS</b>			
75-20-7030	3-Lens, 5x 10x 15x.....	Ea	\$16.95
<b>■ SCALES ENGINEERS/ARCHITECTS</b>			
75-25-0010	Scale Master II.....	Ea	\$99.95
75-25-0011	PC Kit Only For Scale Master II.....	Ea	\$79.95
75-25-0015	Scale Master Classic-6020.....	Ea	\$79.95
75-30-0001	Scale 4" Triangle, Plastic.....	Ea	\$7.75
75-30-0002	Scale 6" Triangle, Plastic.....	Ea	\$8.50
75-30-0003	Scale 12" Triangle, Plastic.....	Ea	\$8.75
75-30-0004	Scale 6" Flat, Plastic.....	Ea	\$6.50
<b>■ TEMPLATES, PROTRACTORS, TRIANGLES</b>			
75-35-0041	T-41 Small Shapes Template.....	Ea	\$1.75
75-35-0046	R-16 All Purpose Template.....	Ea	\$7.95
75-35-0048	T-48 Pocket Template.....	Ea	\$3.95
75-35-0050	R-50 Pocket Pal Template.....	Ea	\$6.95
75-35-0054	TD-654 Surveyors Template.....	Ea	\$9.95
75-35-0160	Protractor Half-Cir 4" P-4S.....	Ea	\$2.00
75-35-0180	Protractor Half-Cir 6" P476.....	Ea	\$2.00
75-35-0234	Protractor Full-Cir 4" P234.....	Ea	\$2.75
75-35-0363	Protractor Full-Cir 6" P236.....	Ea	\$3.75
75-35-3604	30/60° 4" Fl. Triangle.....	Ea	\$1.75
75-35-3606	30/60° 6" Fl. Triangle.....	Ea	\$2.05
75-35-3608	30/60° 8" Fl. Triangle.....	Ea	\$2.80
75-35-3610	30/60° 10" Fl. Triangle.....	Ea	\$3.50
75-35-4504	45/90° 4" Fl. Triangle.....	Ea	\$2.00
75-35-4506	45/90° 6" Fl. Triangle.....	Ea	\$2.75
75-35-4508	45/90° 8" Fl. Triangle.....	Ea	\$3.80
75-35-4510	45/90° 10" Fl. Triangle.....	Ea	\$4.85
75-35-9001	Aluminum Sheet Holder 8.5x12".....	Ea	\$25.95
75-35-9002	Loose Sheet Holder Aluminum 14.....	Ea	\$32.95
75-35-9010	Clipboard, Letter 8.5x11".....	Ea	\$3.75
75-35-9011	Clipboard, Legle 8.5x1".....	Ea	\$4.00
<b>■ MECHANICAL PENCILS</b>			
75-40-0000	Staedtler Drafting Pencil, 2mm 780BK.....	Ea	\$6.00
75-40-0002	0.5mm Mechanical Pencil, Pentel P205-A.....	Ea	\$6.00
75-40-0003	0.7mm Mechanical Pencil, Pentel P207-C.....	Ea	\$6.00
75-40-0004	0.9mm Mechanical Pencil, Pentel P209-G.....	Ea	\$6.00
75-40-0005	Eraser Refills, Z2-1.....	3-Pk	\$1.50
75-40-0006	Replacement Lead, All.....	12-Tube	\$1.50

Staedtler 2mm  
Drafting Pencil



Lead Refills  
.5mm HB  
.7mm HB  
.9mm HB

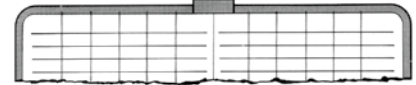
Our Low Prices Will Earn Your Business, The Great Customer Service Will Keep It!

Stock#	Description	Ea	ESC Price
<b>■ ELAN FIELD BOOKS 160-PAGE</b>			
80-10-0400	400-Level Book, E64-64M Small.....	Ea	\$11.00
80-10-0407	407-Field Book, E64-4X4.....	Ea	\$11.50
80-10-0408	408-Mining Transit Book, E64-8X8.....	Ea	\$11.50
80-10-0410	410-Cross Section Book, E64x10X10.....	Ea	\$11.50
80-10-0411	411-Cross Section Book, E10X10K Large.....	Ea	\$17.35
80-10-0415	415-Level Book, E64-64 Large.....	Ea	\$11.50
80-10-0416	416-Field Book, E64-8X4.....	Ea	\$11.50
80-10-0430	430-Soft Cover Book, E64-8X4S 32-Sheets "sewn".....	Ea	\$3.50
<b>■ ELAN FIELD BOOK PAPER/BINDERS</b>			
80-15-0435	445-Level Paper 64X64 50-Pg.....	Ea	\$3.79
80-15-0436	446-E64 8X4 50-Pg.....	Ea	\$3.79
80-15-0437	447-E64 4X4 50-Pg.....	Ea	\$3.79
<b>■ MISC.. FIELD BOOKS AND BINDERS</b>			
80-20-0324	ELAN Wire-Ring Field Book 50pg.....	Ea	\$3.50
80-20-0325	ELAN Small Ring Binder E325.....	Ea	\$15.00
80-20-0327	ELAN "Filler" Paper E64 8X8 50pg.....	Ea	\$3.75
80-20-0328	ELAN "Filler" Paper E64 8X4 50pg.....	Ea	\$3.75
80-20-0329	ELAN Level "Filler" Paper 64X64 50pg.....	Ea	\$3.75
<b>■ "RITE IN THE RAIN" PRODUCTS</b>			
80-25-5037	All-Weather Pen, Waterproof.....	Ea	\$7.95
80-25-5100	135-3X5" Pocket Note Book 100-pg.....	Ea	\$3.25
80-25-5110	146-4X6" Pocket Note Book 100-pg.....	Ea	\$3.95
80-25-5300	300-Bnd Book: Transit 156-pg.....	Ea	\$15.95
80-25-5301	310-Bnd Book: Level 156-pg.....	Ea	\$15.9
80-25-5400	350-Bnd Book: Field 156-Pg.....	Ea	\$15.95
80-25-5401	301-Note Book: Transit 48-pg.....	Ea	\$3.25
80-25-5402	311-Note Book: Level 48-pg.....	Ea	\$3.25
80-25-5403	302-Loose Leaf: Transit 4-5/8 X 7" 100-pg.....	Pk/100	\$10.75
80-25-5405	314-Loose Leaf: Level 4-6-1/2" 100-pg.....	Pk/100	\$10.75
80-25-5410	312-Loose Leaf: Level 4-5/8 X 7" 100-pg.....	Pk/100	\$10.75
80-25-5415	342-Loose Leaf: Cruiser 4-5/8 X 7" 100-pg.....	Pk/100	\$10.75
80-25-5420	352-Loose Leaf: Field 4-5/8 X 7" 100-pg.....	Pk/100	\$10.75

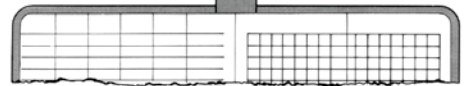


Field Books and Paper By ELAN Publishing

Level Book #E64-64M  
Orange vinyl cover, 80 pages 4-1/8" x 6-1/2"



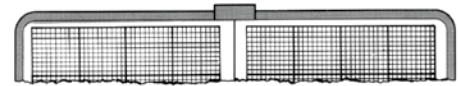
Field Book #E64-4X4  
Orange vinyl cover, 80 pages 4-5/8" x 7-1/4"



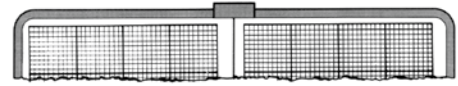
Mining Transit Book E64-8X8  
Orange vinyl cover, 80 pages 4-5/8" x 7-1/4"



Cross Section Book #E64-10X10  
Orange vinyl cover, 80 pages 4-5/8" x 7-1/4"



Cross Section Book #E10X10K  
Orange vinyl cover, 80 pages 6-1/2" x 8-1/2"



Level Book #E64-64  
Orange vinyl cover, 80 pages 4-5/8" x 7-1/4"



Field Book #E64-8X4  
Orange vinyl cover, 80 pages 4-5/8" x 7-1/4"



"All Weather" Waterproof Pen  
80-25-5037

Level Book Filler Sheet  
4-1/2" x 7-1/4"



Field or Transit Book Filler Sheet  
4-1/2" x 7-1/4"



Field Book Filler Sheet  
4-1/2" x 7-1/4"



ELAN  
Field Books



Rite In The Rain  
All  
Weather  
Field Books

## Precision Positioning Systems For Land Surveyors And General Contractors



### SUV Safety Vests ANSI Compliant



SECO 8068 HD Safety Vest, Available in F/Orange and F/Yellow



Economy Surveyors Vests 85-12-0025      Mesh "Hi-Viz" Vest 85-12-0030



**NEW!**  
SECO 8063 Climate Control  
Safety Vest, Available in  
F/Orange and F/Yellow



Ultra-Flex Knee Pads  
85-05-0004



25 Unit First Aid Kit  
85-05-6027



12" 18" & 28" Traffic Cones  
85-15-36

Ratchet Style Hard Hat  
85-05-0007



Stop/Slow Paddles  
85-20-5152



Safety Sign, 48"



"Maklite" Magnetic  
Strobe Light  
85-05-0001

**TEC LABS**  
Oak-N-Ivy Cleanser  
Insect Repellent  
PowerDEET25  
Solarepel Sunscreen 25 SPF



Foam Ear Plugs  
85-05-0002

Stock#	Description	Ea	ESC Price
<b>■ SAFETY EQUIPMENT</b>			
85-05-0001	Maklite Magnetic Strobe.....	Ea	\$35.00
85-05-0002	Ear Plugs, Foam 200 Pairs Box.....	Case/200	\$30.00
85-05-0002	Ear Plugs, Foam 200 Pairs Box.....	Ea	\$0.20
85-05-0004	Wind "N" Go Flashlight.....	Ea	\$12.95
85-05-0004	Knee Pads, Ultra Flex II.....	Pr	\$23.95
85-05-0006	"Caution" Tape 1000' Roll.....	Ea	\$15.49
85-05-0007	Hard Hat W/Ratchet Suspension.....	Ea	\$20.48
<b>■ SAFETY GLASSES</b>			
85-05-0013	Glasses, Clear/Gray, Vail.....	Ea	\$8.50
85-05-0021	Safety-Goggles, Vinyl.....	Ea	\$5.95
85-05-0022	Poly-Safe, Safety Glasses.....	Ea	\$2.95
85-05-0030	Safety Glasses, Clear Wrap Around.....	Ea	\$2.25
85-05-0035	Safety Glasses, Grey Wrap Around.....	Ea	\$2.25
85-05-0040	Safety Glasses, Clear Dolphin.....	Ea	\$3.75
85-05-0045	Safety Glasses, Grey Dolphin.....	Ea	\$3.75
<b>■ SAFETY SUPPLIES</b>			
85-05-6027	First Aid Kit, 25 Persons.....	Ea	\$38.50
85-05-6030	Snake Bite & Sting Kit.....	Ea	\$17.95
85-05-6032	Tecnu Poison Oak Cleanser 32oz.....	Ea	\$14.95
85-05-6035	Tecnu Poison Oak Cleanser 4oz.....	Ea	\$4.95
85-05-6050	PowerDEET25 Bug Repellent 2oz.....	Ea	\$4.95
<b>■ SECO 8068 LIGHTWEIGHT SAFETY VESTS</b>			
85-07-6838-O	Size 38 8068 Series Vest F/Orange.....	Ea	\$89.95
85-07-6838-Y	Size 38 8068 Series Vest F/Yellow.....	Ea	\$89.95
85-07-6842-O	Size 42 8068 Series Vest F/Orange.....	Ea	\$89.95
85-07-6842-Y	Size 42 8068 Series Vest F/Yellow.....	Ea	\$89.95
85-07-6846-O	Size 46 8068 Series Vest F/Orange.....	Ea	\$89.95
85-07-6846-Y	Size 46 8068 Series Vest F/Yellow.....	Ea	\$89.95
85-07-6848-O	Size 48 8068 Series Vest F/Orange.....	Ea	\$89.95
85-07-6848-Y	Size 48 8068 Series Vest F/Yellow.....	Ea	\$89.95
85-07-6850-O	Size 50 8068 Series Vest F/Orange.....	Ea	\$89.95
85-07-6850-Y	Size 50 8068 Series Vest F/Yellow.....	Ea	\$89.95
85-07-6854-O	Size 54 8068 Series Vest F/Orange.....	Ea	\$89.95
85-07-6854-Y	Size 54 8068 Series Vest F/Yellow.....	Ea	\$89.95
85-07-6858-O	Size 58 8068 Series Vest F/Orange.....	Ea	\$89.95
85-07-6858-Y	Size 58 8068 Series Vest F/Yellow.....	Ea	\$89.95
<b>■ SECO 8063 CLIMATE CONTROL SAFETY VESTS</b>			
85-08-6338-O	Size 38 8063 Series Vest F/Orange, Climate Control....	Ea	\$99.95
85-08-6338-Y	Size 38 8063 Series Vest F/Yellow, Climate Control....	Ea	\$99.95
85-08-6342-O	Size 42 8063 Series Vest F/Orange, Climate Control....	Ea	\$99.95
85-08-6342-Y	Size 42 8063 Series Vest F/Yellow, Climate Control....	Ea	\$99.95
85-08-6346-O	Size 46 8063 Series Vest F/Orange, Climate Control....	Ea	\$99.95
85-08-6346-Y	Size 46 8063 Series Vest F/Yellow, Climate Control....	Ea	\$99.95
85-08-6348-O	Size 48 8063 Series Vest F/Orange, Climate Control....	Ea	\$99.95
85-08-6348-Y	Size 48 8063 Series Vest F/Yellow, Climate Control....	Ea	\$99.95
85-08-6350-O	Size 50 8063 Series Vest F/Orange, Climate Control....	Ea	\$99.95
85-08-6350-Y	Size 50 8063 Series Vest F/Yellow, Climate Control....	Ea	\$99.95
85-08-6354-O	Size 54 8063 Series Vest F/Orange, Climate Control....	Ea	\$99.95
85-08-6354-Y	Size 54 8063 Series Vest F/Yellow, Climate Control....	Ea	\$99.95
85-08-6358-O	Size 58 8063 Series Vest F/Orange, Climate Control....	Ea	\$99.95
85-08-6358-Y	Size 58 8063 Series Vest F/Yellow, Climate Control....	Ea	\$99.95
<b>■ BRIGHT THREADS SAFETY VESTS</b>			
85-12-0025	Surveyors Economy Vest Orange.....	Ea	\$26.95
85-12-0030	Mesh, High-Viz Economy Vest.....	Ea	\$6.95
<b>■ TRAFFIC CONES</b>			
85-15-3612	Traffic Cone, 12".....	Ea	\$6.00
85-15-3618	Traffic Cone, 18".....	Ea	\$8.75
85-15-3628	Traffic Cone, 28".....	Ea	\$14.25



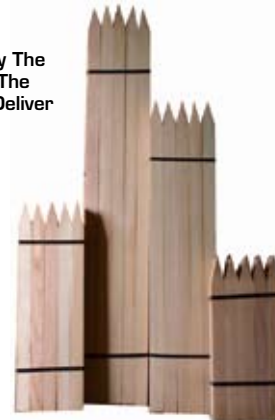
- Call Toll Free 1-800-788-3307 -

Our Low Prices Will Earn Your Business, The Great Customer Service Will Keep It!

Stock#	Description	Ea	ESC Price
<b>SAFETY SIGNS &amp; ACCESSORIES</b>			
85-20-5005	HD Tripod Sign Stand .....	Ea	\$189.50
85-20-5038	48" Safety Sign-Only MESH 7261.....	Ea	\$52.50
85-20-5048	Back Bracing For 48" Sign .....	Ea	\$12.95
85-20-5050	Back Bracing W/Clamps For 48" Sign (CBTC) .....	Ea	\$29.93
85-20-5119	Safety Flag, 18" VINYL .....	Ea	\$3.25
85-20-5120	Traffic Cone Sign, Survey Crew.....	Ea	\$12.50
85-20-5152	Stop/Slow Paddle.....	Ea	\$15.95
<b>LATH</b>			
90-05-0018	Wood Lath 18".....	50/Bd	\$11.65
90-05-0024	Wood Lath 24".....	50/Bd	\$13.20
90-05-0036	Wood Lath 36".....	50/Bd	\$21.35
90-05-0048	Wood Lath 48".....	50/Bd	\$26.95
<b>Marker/Stakes</b>			
90-10-0006	Marker/Stakes, 6x1x2".....	100/Bx	\$18.60
90-10-0008	Marker/Stakes, 8x1x2".....	100/Bx	\$21.70
90-10-0012	Marker/Stakes, 12x1x2".....	50/Bd	\$11.25
90-10-0018	Marker/Stakes, 18x1x2".....	50/Bd	\$19.75
<b>ROUND GINNIES</b>			
90-15-0006	Round Ginnies 6".....	200/Bx	\$27.90
90-15-0008	Round Ginnies 8".....	200/Bx	\$29.95
90-15-0012	Round Ginnies 12".....	Box/100	\$29.95
<b>SQUARE HUBS</b>			
90-20-0006	Hubs, Fir 6".....	50/Bx	\$15.50
90-20-0008	Hubs, Fir 8".....	50/Bx	\$17.45
90-20-0012	Hubs, Fir 12" 25/Bx.....	25/Bx	\$14.75
<b>MISC.. FIELD BAGS</b>			
90-25-8089	Heavy-Duty Bucket Bag SECO.....	Ea	\$19.95
90-25-8090	Stake Bag, 18" HD Cordura .....	Ea	\$45.95
90-25-8091	Stake Bag, 18" Cordura Divided .....	Ea	\$47.95
90-25-8092	Stake Bag, 24" Cordura .....	Ea	\$51.95
90-25-8100	Lath Bag, 36" W/Shoulder Strap .....	Ea	\$39.95
90-25-8101	Lath Bag, 48" W/Shoulder Strap .....	Ea	\$43.95
90-25-8765	Lath Carrier 33" w/Handles .....	Ea	\$59.95
90-25-8800	Aluminium Lath Carrier .....	Ea	\$48.95
<b>REBAR</b>			
90-30-0005	Rebar 1/2"x 12".....	Ea	\$0.75
90-30-0006	Rebar 1/2"x 18".....	Ea	\$1.13
90-30-0007	Rebar 1/2"x 24".....	Ea	\$1.50
90-30-0008	Rebar 5/8"x 12".....	Ea	\$1.16
90-30-0010	Rebar 5/8"x 18".....	Ea	\$1.75
90-30-0012	Rebar 5/8"x 24".....	Ea	\$2.33
90-30-0015	Rebar 5/8"x 30".....	Ea	\$2.92
90-30-0020	Rebar 5/8"x 36".....	Ea	\$3.52
<b>IRON PIPE, REAMED &amp; GALVANIZED</b>			
90-32-0118	Iron Pipe, Reamed/Galvanized 1"X18".....	Ea	\$6.80
90-32-0124	Iron Pipe, Reamed/Galvanized 1"X24".....	Ea	\$8.50
90-32-0130	Iron Pipe, Reamed/Galvanized 1"X30".....	Ea	\$10.25
90-32-1218	Iron Pipe, Reamed/Galvanized 1/2x18".....	Ea	\$3.30
90-32-1224	Iron Pipe, Reamed/Galvanized 1/2x24".....	Ea	\$3.75
90-32-1230	Iron Pipe, Reamed/Galvanized 1/2x30".....	Ea	\$4.50
90-32-3418	Iron Pipe, Reamed/Galvanized 3/4x18".....	Ea	\$4.95
90-32-3424	Iron Pipe, Reamed/Galvanized 3/4x24".....	Ea	\$6.00
90-32-3430	Iron Pipe, Reamed/Galvanized 3/4x30".....	Ea	\$7.25

**Surveyor's Lath**  
Douglas Fir, Finished on both sides  
Available in 18" 24" 36" 48"

Lath, Ordered By The Bundle, Or By The Pallet. We Can Deliver To You!



SECO HD Cordura  
5-pocket Stake Bag  
18" or 24"  
with or without a Divider



90-25-8089  
SECO HD Bucket Bag  
"Bucket Not Included"



SECO Lath Carrier  
with Shoulder Strap  
36" or 48"



SECO 33" Lath Carrier  
with handles



**We Stock**  
3/8", 1/2", 5/8"  
In Lengths Of  
12", 18", 24"  
Custom cut lengths available



HD Aluminum  
Lath Holder  
90-25-8800

## Precision Positioning Systems For Land Surveyors And General Contractors

### Marking Accessories



Plastic Survey Plugs  
90-35  
Available in Red, Orange, Yellow, Pink and Blue  
(See order form on page 40)

Aerove Marking and  
Striping Paint  
95-05



11" Spot Marker  
95-16-0244



38" Marking Stick  
95-16-0245



4-Roll Flagging  
Dispenser  
95-25-8025



Surveyors Flagging  
95-25-0000

Stake Trackers  
95-40-0060



72" x 72"  
Bulls-Eye Aerial Targets  
95-30-0050



48" x 48"  
Blue-Max Aerial Targets  
95-30-0040



21" Wire Stake Flags  
95-35-2100



Stock#	Description	Ea	ESC Price
<b>■ PLASTIC SURVEY MARKERS (PLUGS)</b>			
90-35-3000	PLM-3 Plug 1/2"Pipe-3/8"Rebar.....	Ea	\$0.38
90-35-4000	PLM-4 Plug 3/4"Pipe-1/2"Rebar.....	Ea	\$0.41
90-35-5000	PLM-5 Plug 1"Pipe-5/8"Rebar.....	Ea	\$0.44
90-35-6000	PLM-6 Plug 3/4"Rebar.....	Ea	\$0.44

<b>■ AERVOE MARKING/STRIPING PAINT</b>			
95-05-0222	Marking Paint 20oz Cans.....	Can	\$3.75
95-05-0222	Marking Paint 20oz Cans.....	Case/12	\$38.50
95-10-0710	Striping Paint, 20oz Cans.....	Can	\$4.65
95-10-0710	Striping Paint, 20oz Cans.....	Case/12	\$49.68

<b>■ MARKING PAINT ACCESSORIES</b>			
95-16-0244	Spot Marker, 11" Handle.....	Ea	\$9.75
95-16-0245	Marking Stick, 38" Handle.....	Ea	\$19.95
95-16-7700	Quick Spray Holder.....	Ea	7.95
95-16-8090	Paint Can Holder, Cordura With Pockets.....	Ea	\$19.95
95-16-8098	Paint Can Holder, Cordura.....	Ea	\$7.95

<b>■ FLAGGING</b>			
95-25-0000	Flagging, Solid Colors.....	Dz	\$12.95
95-25-0000	Flagging, Solid Colors.....	Ea	\$1.26
95-25-0000	Flagging, Solid Colors.....	GR	\$148.95
95-25-0020	Flagging, Striped Colors.....	Dz	\$17.95
95-25-0020	Flagging, Striped Colors.....	Ea	\$1.50
95-25-0020	Flagging, Striped Colors.....	GR	\$198.95
95-25-0050	Flagging Tape Dispenser.....	Ea	\$8.50
95-25-8025	Flagging Dispenser, 4 Roll.....	Ea	\$25.00

<b>■ AERIAL FLAGGING &amp; PANELS</b>			
95-30-0019	Aerial Flagging HD 4" X 300'.....	Ea	\$9.25
95-30-0020	Aerial Flagging HD 6" X 300'.....	Ea	\$13.75
95-30-0025	Aerial Flagging HD 8" X 300'.....	Ea	\$18.50
95-30-0030	Aerial Flagging HD 12" X 300'.....	Ea	\$27.50
95-30-0031	Aerial Flagging HD 18" X 300'.....	Ea	\$33.50
95-30-0040	Blue Max Flight Panels 48"Cross.....	Ea	\$8.50
95-30-0050	Aerial Targets 72"x72" 6-Mil.....	Ea	\$21.95

<b>■ WIRE STAKE FLAGS</b>			
95-35-2100	Stake Flags, 21" 2.5"x3.5".....	Bundle/100	\$7.99
95-35-2100	Stake Flags, 21" 2.5"x3.5".....	Box/1000	\$7.99

<b>■ STAKE CHASERS</b>			
95-40-0060	Stake Trackers.....	Box/1000	\$110.00
95-40-0060	Stake Trackers.....	Bun/25	\$2.88
95-40-0065	Stake Chaser Installation Tool.....	Ea	\$31.95



- Call Toll Free 1-800-788-3307 -

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Marking Accessories

Stock#	Description	Ea	ESC Price
<b>■ CARSONITE BOUNDARY MARKERS</b>			
95-42-0059	Carsonite Boundary Marker Kit.....	Ea	\$437.50
95-42-0060	Carsonite Boundary Marker .....	Ea	\$18.95
<b>■ LUMBER CRAYONS &amp; HOLDERS</b>			
95-45-0520	Lumber Crayons.....	Dz	\$6.95
95-45-0530	Crayon Holder, Wood.....	Ea	\$5.50
<b>■ NERO LEAD &amp; CONST PENCILS</b>			
95-50-0001	Negro Lead, 6-Pk.....	Pk/6	\$6.85
95-50-0003	Negro Lead Holder, w/Sharpener.....	Ea	\$14.95
95-50-0011	Keson Sharpener w/6 Pencils.....	Ea	\$8.95
<b>95-55 ■ MARKING PENS</b>			
95-55-1000	Ideal Marking Pens, .....	Dz	\$29.70
95-55-1000	Ideal Marking Pens, .....	Ea	\$2.68
95-55-1001	Ideal Replacement Tips Only .....	Dz	\$6.48
95-55-8717	Dixon RediMarker Wedge Point.....	Dz	\$17.04
95-55-8717	Dixon RediMarker Wedge Point.....	Ea	\$1.89
95-55-9000	Ideal Paint Marker, Ball Tip .....	Dz	\$30.00
95-55-9000	Ideal Paint Marker, Ball Tip .....	Ea	\$2.95
95-55-9500	Dixon Paint Marker, Bullet Tip.....	Dz	\$29.95
95-55-9500	Dixon Paint Marker, Bullet Tip.....	Ea	\$2.95
<b>■ TWINE &amp; ROPE</b>			
95-60-0002	Seine Twine White #18x1lb Roll.....	Ea	\$8.95
95-60-0003	Seine Twine Color #18x1lb Roll .....	Ea	\$11.95





### Precision Positioning Systems For Land Surveyors And General Contractors

#### Marking Accessories

Stock#	Description	Ea	ESC Price
<b>■ STAKE TACKS, MAG-NAILS, SPIKES</b>			
95-65-0000	Escutcheon Pins-Brass, 3/4".....	Ea	\$4.95
95-65-0004	Mag Hubs 4", (Magnetic Nails) .....	Ea	\$56.95
95-65-0006	Mag Hubs 6", (Magnetic Nails) .....	Ea	\$56.95
95-65-0006	Mag Hubs 8", (Magnetic Nails) .....	Ea	\$56.95
95-65-0005	3/4", Mag Nails.....	Ea	\$5.50
95-65-0010	1", Mag Nails.....	Ea	\$8.25
95-65-0015	1-1/4", Mag Nails.....	Ea	\$11.50
95-65-0020	1-1/2", Mag Nails.....	Ea	\$15.50
95-65-0025	2", Mag Nails.....	Ea	\$18.75
95-65-0030	2-1/2", Mag Nails.....	Ea	\$22.85
95-65-0035	Stake Tacks, 1-lb/750 Box.....	Ea	\$9.00
95-65-0045	Tack Ball.....	Ea	\$7.95
95-65-0070	Con-Nails, 1 1-1/4 1-1/2" 5lbs.....	Box/5#	\$13.75
95-65-0085	Nails, 60d, 6" Bright Common.....	Box	\$63.95
95-65-0095	Spike, 3/8"x 8" Bright Common.....	Ea	\$66.25
<b>■ SHINERS</b>			
95-70-3430	Shiners, Large 250-count 2-1/4".....	Box	\$33.95
95-70-3431	Shiners, Small 260-count 1-5/16".....	Box	\$25.95
<b>■ MAGSPIKE STEEL SURVEY SPIKES</b>			
95-75-0000	MagSpike (253) 3" Steel Survey Spikes.....	Box/25	\$23.75
95-75-0001	MagSpike (254) 4.5" Steel Survey Spikes.....	Box/25	\$28.75
95-75-0002	Cotton Gin Spikes.....	Ea	\$0.89
<b>■ MONUMENTS FLAT AND DOMED</b>			
95-80-3400	Monument Flat 1-3/8" 2130.....	Ea	\$6.30
95-80-3403	Monument Flat 2" 2132.....	Ea	\$10.25
95-80-3406	Monument Flat 2-1/2" 2134.....	Ea	\$15.50
95-80-3408	Monument Flat 3" 2136.....	Ea	\$21.95
95-80-3410	Monument Domed 1-3/8" 2131C.....	Ea	\$6.60
95-80-3413	Monument Domed 2" 2133C.....	Ea	\$10.95
95-80-3416	Monument Domed 2-1/2" 2135C.....	Ea	\$16.00
95-80-3418	Monument Domed 3" 2136C.....	Ea	\$21.95
<b>■ SURVEYORS TAGS (BRASS and ALUMINUM)</b>			
95-90-2100	Tags, Brass, 3/4".....	100	\$22.50
95-90-2101	Tags, Aluminum, 1-1/2" Dia 9/16" Hole.....	50	\$25.35
95-90-2102	Tags, Aluminum, 1-1/2" Dia 11/32" Hole.....	50	\$25.35
95-90-2103	Tags, Brass, 1-1/2" Dia 9/16" Hole.....	50	\$30.95
95-90-2104	Tags, Brass, 1-1/2" Dia 11/32" Hole.....	50	\$30.95
95-90-2200	Tags, Stain-Steel, 1-1/2" Dia 3/8" Hole.....	Ea	\$0.91
95-90-5050	Racetrack Tree Tags,.....	100/PK	\$11.95
<b>■ MISC./MARKING EQUIP. &amp; SUPPLIES</b>			
95-95-1500	Duct Tape.....	Ea	\$4.50
95-95-1502	Nail Markers, 1/8" Holes.....	Pack	\$2.25
95-95-2183	Chaining Pins, 14" 11-Per Box.....	11/Bx	\$23.95
95-95-2184	Chaining Pin Ring.....	Ea	\$12.00
95-95-3220	Surveyors Lead Wire 3/8"x15".....	Ea	\$3.60
95-95-7523	Steel Stamps, Letters, 1/8" HD.....	Ea	\$75.60
95-95-7524	Steel Stamps, Numbers, 1/8" HD.....	Ea	\$25.20
95-95-7525	Steel Stamps, Singles, 1/8" HD.....	Ea	\$2.80
95-95-7526	Steel Stamps, Complete Alpha/Numeric, 1/8".....	Ea	\$39.95



Rubber Tack Ball  
95-65-0045



Mag Nails  
95-65-



Cotton Gin Spikes  
95-75-0002



Stake Tacks, 1lb/750 Box  
95-65-0035



MagSpike 4-1/2"  
Steel Survey Spikes  
95-75-0002



MagSpike 3"  
Steel Survey Spikes  
95-75-0000

2-1/4" Large Flat Shiners  
95-70-3430  
3-Lbs Box



1-5/16" Small Raised Shiners  
95-70-3431  
1-Lb Box



1-1/2" Aluminum Tags  
95-90-2102



3/4" Brass Tags  
95-90-4011



Race-Track Tree Tags  
Numbered Groups (100)  
95-90-5050



Brass Monuments, Flat Or Domed  
1-3/8", 2", 2-1/2", 3"  
95-80



Nail Markers  
95-95-1502



Steel Stamps, 3/8" Letters or Numbers  
95-95-75



Chaining Pins  
95-95-2183



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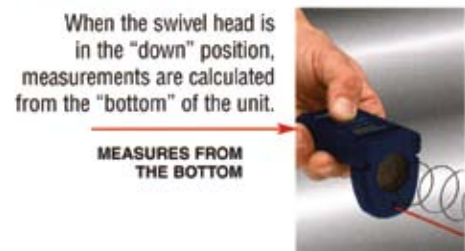
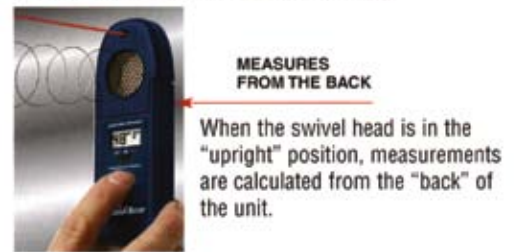
Stock#	Description	Ea	ESC Price
95-96	<b>■ BATTERIES, MISC.. ALL</b>		
95-96-0001	AA Batteries, Each .....	Ea	\$0.60
95-96-0002	AAA Batteries, 2-Pack.....	2-Pk	\$1.95
95-96-0003	C Batteries, 2-Pack .....	2-Pk	\$2.75
95-96-0004	D Batteries, 2-Pack .....	2-Pk	\$2.75
95-96-0005	D9V Batteries, Each.....	Ea	\$2.75
95-96-0006	CR2 Lithium for Laser Plummet.....	Ea	\$9.95
	<b>■ CALCULATORS</b>		
05-98-0033	HP-33S Scientific Calculator.....	Ea	\$65.99
05-98-0344	Sharp Metric Conversion Calc .....	Ea	\$19.95
05-98-3078	Const-Master Pro Trig 4080.....	Ea	\$89.95
05-98-3302	Const-Master Pro-DT Desktop Model.....	Ea	\$89.95
05-98-3330	Const-Master Pro Desktop Printing.....	Ea	\$99.95
05-98-4045	Construction Master Pro .....	Ea	\$79.95
05-98-4215	ConcreteCalc .....	Ea	\$69.95
05-98-4315	HeavyCalc.....	Ea	\$69.95
05-98-4336	Laser Dimension Master-338.....	Ea	\$49.95

**Laser**  
**DIMENSION MASTER®**  
Ultrasonic Measurer with Laser-Pointer

- Fast, Accurate**  
Measure from 18 inches (45.72cm) up to 50 feet (15.2m) with 99.5% accuracy.
- Versatile Two-Way Measuring**  
Unique dual-position measuring head allows for convenient, comfortable use.
- Narrow Beam Design**  
Works even in applications where furniture or fixtures are present.
- Continuous Measurement**  
Find a desired distance by moving toward or away from target.
- Measurement Verification**  
Unit automatically verifies measurement with built-in error checking program.
- Compensates For Its Own Size**  
Automatically compensates for unit depth using either measuring position.
- Simple, Easy-to-Use**  
"Aim and Shoot" technology measures with a single press of a button.
- Easy-to-Read LCD**  
Set Laser Dimension Master to display estimates in Feet-Inches or Meters.
- Includes Everything You Need**  
Battery-saving Auto Shut-Off, Easy-to-Read User's Guide in English, French and Spanish, Long-Life Batteries, Vinyl Carrying Case with Belt Loop, Full One-Year Limited Warranty.



**The "No Tape" Measure that fits in your pocket!**  
Laser Dimension Master is equipped with a "swivel" head permitting easy floor to ceiling and wall to wall measurements. Works with or without laser in either position, and compensation for unit depth is automatic.



Products By  
Calculated Industries



**Construction Master Pro**  
Advanced Construction Math Calculator



**Construction Master Pro Trig**  
Construction Math Calculator with Trig-Functions



**Concrete Calc**  
Advanced Feet-Inch-Fraction Calculator



**Construction Master Pro DT**  
Desktop Construction Math Calculator with Trig-Functions



**Heavy Calc**  
Advanced Feet-Inch-Fraction Calculator F/Heavy Const.



## - SERVICE REPAIR RATES -

Precision Positioning Systems For Land Surveyors And General Contractors

### Equipment Servicing and Repair



#### \*\* SERVICE LABOR RATES \*\*

Optical Mechanical.....\$75.00 hr  
 Electronic .....95.00 hr  
 Mechanical .....55.00 hr

Instrument Description	Light Clean & Calibration	Complete Clean & Calibration (Overhaul)
Total Station..... ( + Parts )	395.00	595.00
Theodolite, Electronic.....	125.00	295.00
Theodolite, .....	150.00	295.00
Transit, Electronic.....	125.00	245.00
Transit, Builders.....	95.00	195.00
Transit-Level.....	115.00	165.00
Builders Dumpy-Level. ....	95.00	125.00
Auto Level, Builders.....	75.00	140.00
Auto Level, Engineers .....	95.00	160.00
Laser Level, single plane.....	95.00	140.00
Grade Laser, single/dual plane.....	125.00	195.00
Tribrach, w/optical plummet.....	45.00	120.00
Battery Re-Celling, ( 7-cell battery typ. ).....	N/A	120.00
GPS Firmware Upgrade .....	Per Receiver	25.00
GPS Repairs.....	Estimates only given after evaluation!	
Radios .....	Estimates only given after evaluation!	

All repairs are due and payable upon completion, unless you have an established account with Engineering Supply Company. Any repairs left for over 60 days and not paid for, will be sold to recover any labor and parts expenses incurred by Engineering Supply Company.



- RENTAL EQUIPMENT RATES -

*Our Low Prices Will Earn Your Business, The Great Customer Service Will Keep It!*

Rental Equipment



**Surveying Equipment Rental**

Total Stations Include: 1 ea. tripod, single prism, and prism pole.

	Per Day	Weekly	* Monthly
Total Station-Robotic, GPT-9003A, 3" "One-Man" Remote Control Package.....	\$175.00	\$895.00	\$2,495.00
Total Station, GTS-235W, 5" ..... 13,200' triple prism .....	\$70.00	\$250.00	\$795.00
Reflectorless GPT-3105, 5" .....	80.00	290.00	900.00
Auto Level, Engineers-Topcon AT-G3, 32-power.....	35.00	100.00	225.00
Magnetic Locator.....	25.00	75.00	220.00
Radios, Motorola CP-100 .....	20.00	70.00	180.00
Accessories: Tribrachs, Tripods, Prism Poles, Triple Prisms Etc. ....	7.00	25.00	75.00

**GPS Equipment Rental**

Topcon HiperLite+ RTK System With TDS Controller .....	\$495.00	\$1,725.00	\$4,995.00
Topcon HiperLite+ RTK Rover Only (Network).....	\$395.00	\$1,450.00	\$3,495.00
GMS-2 Hand Held L-1 GIS GPS WAAS Enabled Receiver .....	\$95.00	\$300.00	\$950.00

**GPS Network "Top-Net" Airtime Only**

Network Rover "Standalone" .....	\$70.00	N/A	\$175.00
Network Rover "System-Pair" (2) .....	\$100.00	N/A	\$300.00

**Data Collection Systems**

TDS-Recon.....	\$30.00	\$95.00	\$300.00
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**Contractors Equipment**

Auto Level, Topcon AT-G22A with tripod .....	30.00	75.00	195.00
RL-H3C Laser Level with Sensor unit and tripod (Long Range) .....	50.00	160.00	395.00
Electronic Transit, DWT-30, 30-second with tripod.....	35.00	125.00	300.00

**Rental Purchase:** We will apply 100% of all rental fees due or paid, if the equipment is purchased and paid for within 30 days of the day of rental, there after 75% is applied, up to 80% of the equipment sales price.

\*Rental rates **do-not** automatically convert from daily to monthly, the term must be specified when the equipment is initially rented. \*Monthly rentals are billed when the unit goes out.

Precision Positioning Systems For Land Surveyors And General Contractors

Date: \_\_\_\_\_

**Please Fax To: 925-680-2504**

Company: \_\_\_\_\_

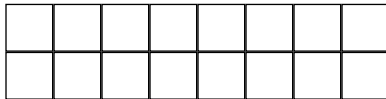
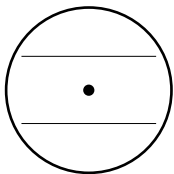
Telephone: \_\_\_\_\_

## Plastic Survey Markers

Designed to fit over rebar or inside iron pipe. Made from durable polyethylene to insure longevity in the toughest environments

( Actual Size )

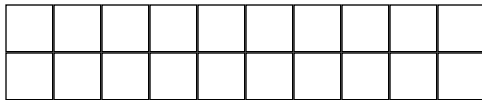
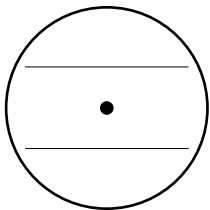
( All Plastic Markers Have Black Lettering )



Stock# 90-35-3000  
Model: PLM-3  
Fits: 1/2" Pipe or 3/8" Rebar

Model: PLM-3

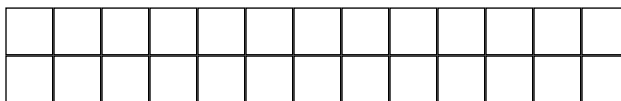
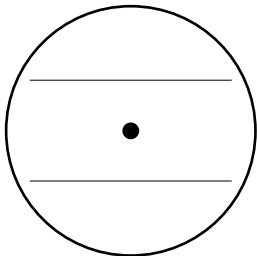
Quantity: \_\_\_\_\_ Color:  Yellow  Red  Orange



Stock# 90-35-4000  
Model: PLM-4  
Fits: 3/4" Pipe or 1/2" Rebar

Model: PLM-4

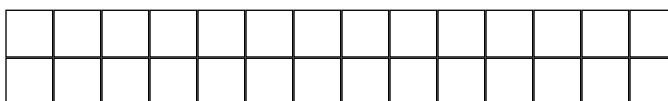
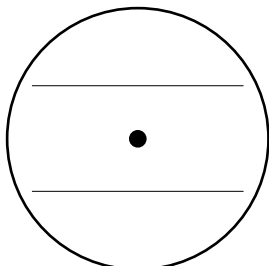
Quantity: \_\_\_\_\_ Color:  Yellow  Red  Orange



Stock# 90-35-5000  
Model: PLM-5  
Fits: 1" Pipe or 5/8" Rebar

Model: PLM-5

Quantity: \_\_\_\_\_ Color:  Yellow  Red  Orange



Stock# 90-35-6000  
Model: PLM-6  
Fits: 3/4" Rebar

Model: PLM-6

Quantity: \_\_\_\_\_ Color:  Yellow  Red  Orange

- BRASS AND ALUMINUM TAGS -

Our Low Prices Will Earn Your Business, The Great Customer Service Will Keep It!

Please Fax To: 925-680-2504

Brass and Aluminum Survey Marker Order Form

Fax Orders To: 925/680-2504

Date: \_\_\_\_\_

P.O.# \_\_\_\_\_

Bill To: \_\_\_\_\_

Ship To: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

#2100

#2104

#2102

#2103

#2101

Quantity \_\_\_\_\_

Quantity \_\_\_\_\_

Quantity \_\_\_\_\_

3/4" Brass Only

1-1/2" \_\_\_\_\_ Brass

1-1/2" \_\_\_\_\_ Aluminum

1-1/2" \_\_\_\_\_ Brass

1-1/2" \_\_\_\_\_ Aluminum

ESC# 95-90-2100

ESC# 95-90-2104

ESC# 95-90-2102

ESC# 95-90-2103

ESC# 95-90-2101

( Minimum 100 )

( Minimum 50 )

( Minimum 50 )

( Minimum 50 )

( Minimum 50 )

Hole Size 1/8"

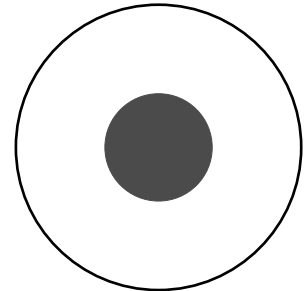
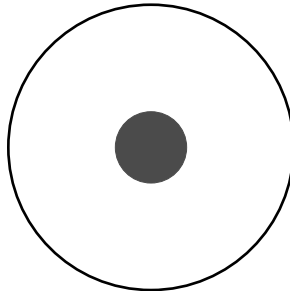
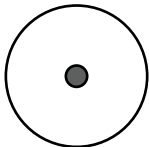
Hole Size 11/32"

Hole Size 9/16"

Up To 9 Characters Per Line  
2-Lines

(Up To 30 Characters)

(Up To 30 Characters)



Custom Stamping

Custom Stamping

Custom Stamping

Top Line: \_\_\_\_\_

Top Line: \_\_\_\_\_

Top Line: \_\_\_\_\_

Bottom Line \_\_\_\_\_

Bottom Line \_\_\_\_\_

Bottom Line \_\_\_\_\_





- THE LEADER IN PRECISION POSITIONING SYSTEMS SINCE 1985 -

*Our Low Prices Will Earn Your Business, The Great Customer Service Will Keep It!*

## TOPSURV 7 DATA COLLECTOR SOFTWARE

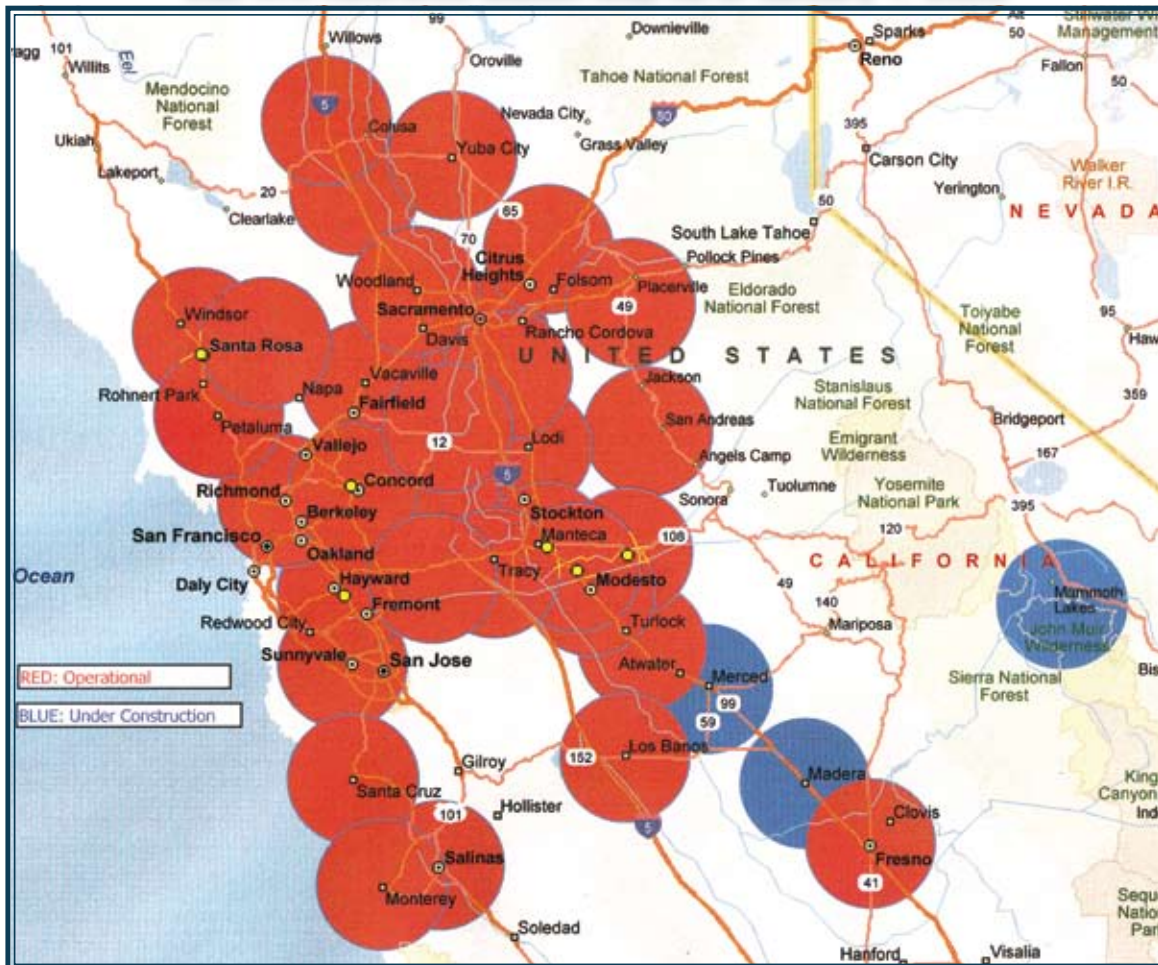
New! TopSURV 7 Offers A Multitude Of Expanded New Features and Enhancements!

TOPCON FC-100, FC-200 and FC-2500 Field Controllers  
With TopSURV 7 Advanced Surveying Software

**XTRAC 7**  
New! XTRAC-7  
Advanced Robotics



ESC RTK Reference Station Map As Of January 1, 2009



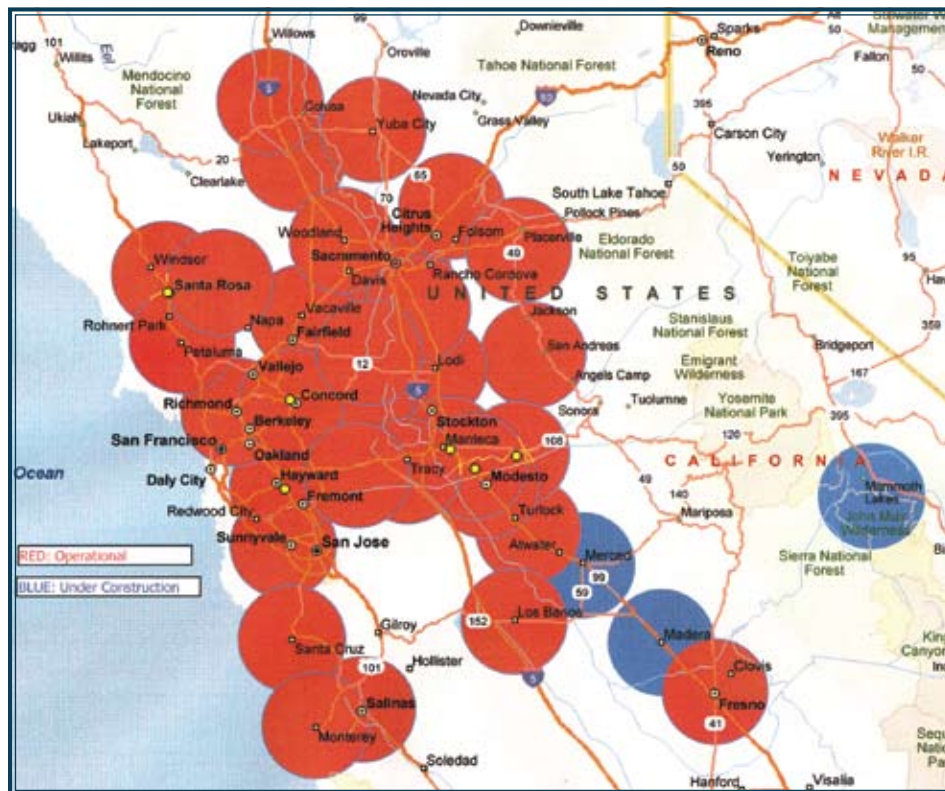
All ESC GNSS Reference Stations Are Broadcasting GPS and Glonass Signals.



## “TOP-NET” CALIFORNIA

California's Largest High Accuracy Real Time  
“RTK” GNSS Reference Station Network.

TOP-NET Reference Station Map As Of January 1, 2009  
All operational and future reference stations are  
Broadcasting GPS and Glonass corrections.



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