Productive, Accurate, Reliable

Whether you're managing assets, responding to outages or natural disasters, or conducting routine maintenance, Trimble ensures premier productivity and return on investment. For all your GIS data collection, maintenance and asset management, you can rely on Trimble for unparalleled accuracy and reliability.

Superior Technology

- **WINDOWS MOBILE**
  Trimble® handhelds run the industry-standard Windows Mobile® operating system, so you can choose the best software solution for your field requirements, whether off-the-shelf or purpose-built for a seamless exchange of data between the field and the office.
- **FIELD-RUGGED HARDWARE**
  Trimble's product range includes field-rugged hardware that is designed and tested for the demanding field conditions you encounter every day.
- **WORLD CLASS GNSS**
  For 25 years Trimble has been at the forefront of research and development in Global Navigation Satellite System (GNSS) technology so you can be confident the data you are collecting is accurate and reliable.
- **ACCURACY OPTIONS**
  Trimble® offers a range of products at different accuracy levels to meet the needs of your application when accuracy and budget is critical. Trimble provides systems at the decimeter through 2–5 meter accuracy levels. Whatever the accuracy level your organization demands, Trimble delivers.
- **SMART SOFTWARE SOLUTIONS**
  Trimble® software solutions allow seamless data flow between the field and your GIS or asset management system. Trimble field software is optimized for fast and efficient data collection, taking all the complexity out of your GPS fieldwork.
- **CABLE-FREE CONNECTIVITY**
  Trimble boosts your productivity with advanced connectivity options such as integrated cellular modem, integrated Bluetooth and integrated wireless LAN for wireless access to your organization's network or to public-access hot spots.

Data Collection Solutions

- **ASSET INVENTORY**
  When your organization needs a complete and accurate inventory of all its assets—street furniture, electric infrastructure, or natural resources, Trimble software solutions integrate tightly with the GIS database. You'll be confident that the data you collect is of immediate benefit for planning and decision-making.
- **INSPECTION AND SAMPLING**
  Trimble Mapping & GIS systems are on the mark, combining superior GPS positioning technology with software optimized for navigation. You'll be able to work efficiently and with confidence on relocation and verification reporting projects.
- **AS-BUILT MAPPING**
  Trimble offers subfoot and decimeter-level positioning solutions that provide the accuracy required to map new infrastructure, such as roading, pipelines, underground cable and more.
- **INCIDENT MAPPING**
  Trimble field-rugged hardware is built to work in all conditions, with software and systems that are designed to be easy to learn and simple to use, so you can get the data and maps you need to respond to the situation quickly and effectively.

Trimble

Ultra-Rugged Tablet Computer for the Mobile Worker

Your One Computer Solution

- Windows 7 Professional Operating System
- Integrated two to five meter GPS
- Optional high accuracy GPS receiver accessory
- 7″ sunlight-readable WSVGA color touch screen
- Two geotag-enabled cameras
- Integrated Bluetooth and Wi-Fi, SDIO and ExpressCard slots
- Compatible with a full range of professional field software
- Outdoor rugged design

Trimble

Field Software Solutions

TerraSync™ Professional *— Field software for quality GIS data*

The TerraSync™ software is a flexible data collection and data maintenance tool. Simple and effective, TerraSync software makes field work more productive. Team up TerraSync software with a field computer of your choice and a supported Trimble® GPS receiver, and you have everything you need to capture high-quality data for informed decision making.

ESRI ArcPad —

ArcPad is designed for GIS professionals who require GIS capabilities in the field. It gives field-based personnel the ability to capture, edit, analyze, and display geographic information easily and efficiently.

Office Software Solutions

GPS Pathfinder® Office —
Powerful and easy to use GPS data processing software

The GPS Pathfinder® Office software adds value to your GIS data collection and data maintenance projects. It supports all aspects of GIS data collection and data maintenance for Trimble GPS Pathfinder® receivers and GeoExplorer® series handhelds.

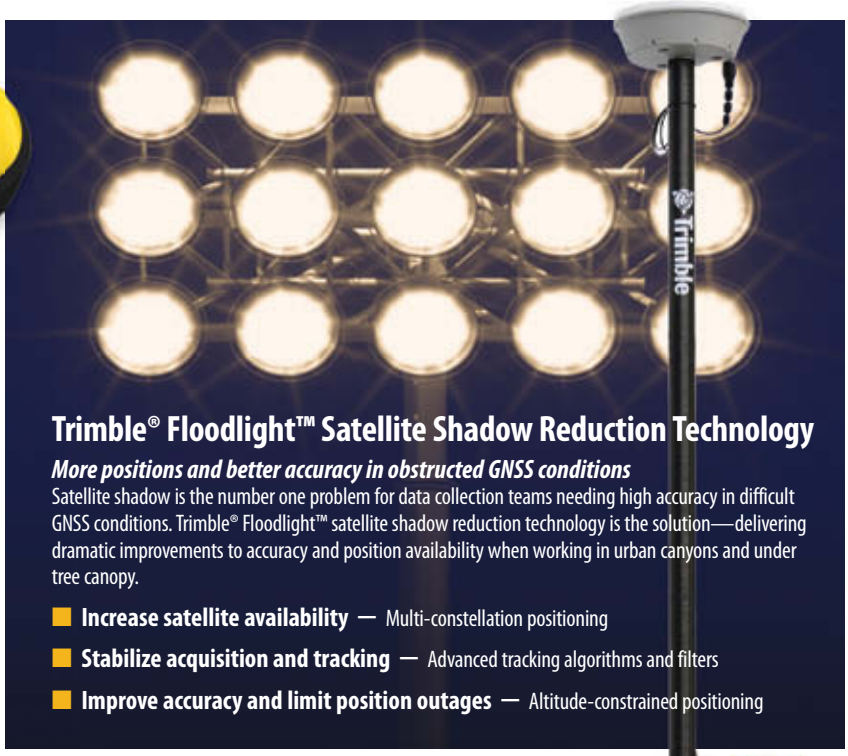
Trimble® GPS™ Analyst — *Streamlined GPS data processing inside ArcGIS*

The GPS Analyst™ extension for ESRI ArcGIS Desktop software will streamline your workflow and improve your productivity by enabling you to work directly with GPS data inside your personal geodatabase. Because GPS Analyst extension comes with Trimble's proven differential correction tools, you can be sure you have the best quality GPS data.

KeyNetGPS —

The GeoXH™ with a Tornado antenna and the ProXRT are capable of receiving a KeyNetVRS subscription signal to achieve 4 inch real-time accuracies. Call Keystone Precision Instruments to find out how. 800-833-9250.

Trimble



Trimble® Floodlight™ Satellite Shadow Reduction Technology

More positions and better accuracy in obstructed GNSS conditions

Satellite shadow is the number one problem for data collection teams needing high accuracy in difficult GNSS conditions. Trimble® Floodlight™ satellite shadow reduction technology is the solution—delivering dramatic improvements to accuracy and position availability when working in urban canyons and under tree canopy.

- **Increase satellite availability** — Multi-constellation positioning
- **Stabilize acquisition and tracking** — Advanced tracking algorithms and filters
- **Improve accuracy and limit position outages** — Altitude-constrained positioning

Introducing the New 6000 series Geo XH™

Decimeter accuracy, Trimble productivity, handheld convenience

Geo XH™
Dual Frequency
Floodlight Technology
10cm /4 in real-time with VRS solution
10cm/4 in post processed
H-Star Technology

Geo XT™
Single Frequency
Floodlight Optional
50cm/19 in Post Processed

Geo XH™ 6000 series Key Features

INTEGRATED 5MP CAMERA

The GeoXH™ handheld includes a 5 megapixel autofocus camera with geo-tagging capability. The camera can be controlled by the TerraSync™ software and other third-party applications, so photo capture and linking of images to GIS features is seamless and simple to integrate with existing data capture workflows

SUNLIGHT READABLE DISPLAY

The GeoXH™ handheld includes a sunlight-optimized display designed specifically for outdoor operation. It maintains exceptional clarity in all outdoor conditions, including direct sunlight. Text is crisp and easy to read. Background maps and photos are rich and vibrant. At 4.2˝ (10.7 cm), the display is also big, so the touch panel is spacious and easy to control

WIRELESS CONNECTIVITY

With the GeoXH™ standard edition handheld, Wi-Fi and Bluetooth® technology ensure that field workers can remain in contact with the office and each other, even from remote locations. Bluetooth® technology also enables wireless connection to other external devices such as Bluetooth®-enabled laser range finders, barcode scanners, or underground pipe locators.

POWER TO PERFORM

The Lithium-Ion battery provides up to 8 hours of GNSS operation on a single charge, and can be swapped on-the-go without shutting down the device. The GeoXH™ handheld is powered by an OMAP 3503 series processor. With 2 GB of internal storage and the capacity to add an additional 32 GB via SDHC card, the GeoXH™ handheld has the capacity and power needed to work with high resolution maps and the most complex datasets.

DESIGNED FOR WORK

The fully ruggedized IP65 construction is designed to withstand the harshest environments. Wherever field workers go, they can take the GeoXH™ handheld with the confidence that the equipment can handle the toughest conditions. These smart design features combine with unprecedented accuracy and productivity to deliver the ultimate high performance handheld field solution.

2-5 Meter
Juno™ SC/SB/SD, Trimble® Nomad®, Trimble® Yuma®

Sub-Meter
GeoXT™ 6000, GPS Pathfinder® ProXT™

Sub-Foot
GeoXH™ 6000, GPS Pathfinder® ProXH™*

4˝
GeoXH™ 6000

HOW TO CHOOSE: To choose the components of a mapping and GIS system, first consider the accuracy level required by your application. Then determine whether your crews need real-time accuracy while in the field. Once you have decided on the field computer that meets your requirements, you can choose supported field and office software to suit your needs. Use the tables below to put together a system that's optimized for your working environment.

Trimble

Field Computers with GPS




	Geo XH™ 6000	Geo XT™ 6000	Nomad G® series	Juno® SC/SB/SD
Accuracy Post Processed	10 cm*	50cm*	1-3m*	1-3m*
Accuracy Real-Time	10/30 cm*	<1m	2-5m	2-5m
Integrated SBAS	Yes	Yes	Yes	Yes
Operating System	Windows Mobile 6.5	Windows Mobile 6.5	Windows Mobile 6.1	Windows Mobile 6.1
Screen Size	4.2″ sunlight readable display	4.2″ sunlight readable display	8.9cm / 3.5″	8.9cm / 3.5″
Data Storage	2 GB	2 GB	6GB	128MB
SD (Secure Digital) slot	Yes	Yes	Yes	Yes
Integrated Camera	5mp	5mp	2mp / optional 5mp	3mp
Battery Life	11 hours	11 hours	15 hours	8 hrs, GPS and backlight
Ruggedness	Withstands 4 ft drop	Withstands 4 ft drop	Withstands 4 ft drop	Tumble tested 2.5 ft drop
Environmental	IP65	IP65	IP68 sealed against accidental immersion in water	IP4X

GPS Receivers



	GPS Pathfinder® Pro XRT	GPS Pathfinder® Pro XH	GPS Pathfinder® Pro XT
Accuracy Post-Processed	10 cm*	10/30cm*	50cm*
Accuracy Real-time	10/30 cm*	<1m	<1m
Glonass Capable	Yes (optional)	No	No
Integrated GPS Receiver & Antenna	No, Tornado™ antenna	Yes	Yes
Integrated SBAS	Yes	Yes	Yes
Integrated Bluetooth	Yes (cabled connection for backpack applications recommended)	Yes	Yes
Battery Life	13 hours*	12 hours*	12 hours*
Ruggedness	Withstands 1m / 3.28 ft	Withstands 4 ft drop	Withstands 4 ft drop
Environmental	IP67 for submersion to depth of 1 meter	Wind driven rain and dust resistant to IP54 standard	Wind driven rain and dust resistant to IP54 standard

*refer to data sheet and FAQs at **www.trimble.com** for full details

LaserAce 1000 rangefinder

Extend your reach with high-accuracy measurement of any location

Take the guesswork out of field work. The Trimble ***LaserAce 1000 rangefinder*** lets you capture remote measurements in situations where previously it would be impractical or unsafe. Now capture the measurements you need in seconds from a safe, convenient location, increasing productivity and efficiency.

A comprehensive measurement tool, the ***LaserAce 1000 rangefinder*** combines a laser distance meter, digital inclinometer, and sighting scope. Complete with Bluetooth wireless technology, remote data is automatically integrated into GNSS workflows for a wide range of mapping and GIS applications.

8109710 LaserAce 1000 rangefinder . . . List $2195.00

Accuracy:	10 cm / 4″[1]
Measurement Range:	
• *Max to non-reflective targets:*	Passive range: up to 150 m / 500 ft
• *Max to reflective targets:*	Range to reflector: 600 m / 1970 ft
• *Minimum range:*	0.0 ft (0.0 cm)
• *Inclination:*	-70° to +70°
Weight:	464 g (1 lb) with battery
Size:	110 mm x 100 mm x 50 mm (4.33″ x 3.94″ x 1.97″)
Environmental:	IP63 standard
Battery Type:	1100 mAh rechargeable Lithium-Ion, 7.2V

1. Typical accuracy, at +20° C (+113° F), unit level, and 75 m (250 ft) distance from Kodak grey target. Specifications subject to change without notice.

Measure Faster. Measure Easier. Measure Safer.

Lightweight, low-cost laser rangefinders that measures Slope Distance, Inclination (% Slope) and Azimuth. Calculates Horizontal Distance, Vertical Distance, Height and Missing Line values. Equipped with 7x optics, in-scope data display and a RS232 serial port. Includes integrated Bluetooth wireless communication.

TruPulse® 360°R

Accuracy:	Distance: short range/light colored/large target: ± 30 cm (1 ft) Distance: long range/dark Colored/small target: ± 0.3 to 1 m (1 to 3 ft)
Measurement Range:	
• *Max to non-reflective targets*	3,280 ft (1,000 m)
• *Max to reflective targets*	6,560 ft (2,000 m)
• *Minimum range*	0.0 ft (0.0 cm)
• *Inclination*	+/- 0.25°, typical
Azimuth:	Range: 0 to 359.9° / Accuracy: ± 1°
Weight:	13.6 ounces (385 g)
Size:	5.2″ x 2.1″ x 4.5″ (13 cm x 5 cm x 11 cm)
Environmental:	IP 56
Battery Type:	1 CR 123A
Battery Life:	Minimum 8 hours continuous use
Optics:	7X magnification with field of view

7006850 TruPulse 360°R . . . . . List $1795.00

TruPulse® 360°B

Accuracy:	Distance: short range/light colored/large target: ± 30 cm (1 ft) Distance: long range/dark Colored/small target: ± 0.3 to 1 m (1 to 3 ft)
Measurement Range:	
• *Max to non-reflective targets*	3,280 ft (1,000 m)
• *Max to reflective targets*	6,560 ft (2,000 m)
• *Minimum range*	0.0 ft (0.0 cm)
• *Inclination*	+/- 0.25°, typical
Azimuth:	Range: 0 to 359.9° / Accuracy: ± 1°
Weight:	8 ounces (220 g)
Size:	5″ x 2″ x 3.5″ (12 cm x 5 cm x 9 cm)
Environmental:	IP 54
Battery Type:	(2) AA or (1) CRV3
Battery Life:	Minimum 8 hours continuous use
Optics:	7X magnification with field of view

7005530 TruPulse 360°B . . . . . List $1695.00

LASER TECHNOLOGY

Some Useful GPS Accessories

85518700	Quick release Adapter – 5/8 x 11 adds 23.8 mm to length of rod	**SALE $26.95**
85511100	Quick Disconnect Adapter adds 76.2 mm to length of rod *(Use with 85518700 Adapter)*	**SALE $59.95**
5113012	Quick Release Tip – male 5/8x11 threads	**SALE $25.95**
7024736	LTI TruPulse Mounting Bracket	**SALE $89.25**
3504647	LTI Quick Release Tip	**SALE $31.50**
855198052	Seco Bracket Plain Open Clamp	**SALE $62.90**

Please Call For Other Model Numbers and Configurations

GPS Antenna Tripods

SECO

Features a two meter collapsible center staff with twist locking mechanism that rotates 360 degrees to check calibration of plumbing with 10 minute vial, a removable 5/8 x 11 adapter and an onboard compass. Tripod legs and the pole are electrostatically powder painted and include replaceable points. Legs have quick release and twist lock mechanisms. Dual graduated and adjusts to three heights – 2m, 1.8m and 1.5m. Collapses to 50″. Aluminum hardware is anodized black. Weighs 15 lbs.

		SALE
85511900	Graduated Collapsible Tripod	**$797.95**
85815400	GPS Antenna Tripod Bag	**$ 75.95**
511910FLY	Heavy Duty Collapsible Tripod	**$874.95**
8154120RG	Heavy Duty GPS Antenna Tripod Bag	**$ 98.95**

Fiberglass Pole Extension

513010

Has 5/8 x 11 female threads on the bottom and 5/8 x 11 male threads on the top to allow more added sections.

513010
Fiberglass Pole extension (OD 1.25″) 0.200m ..... **SALE $ 39.95**

GPS Rover Rod Wheel

Wheel ideally suited for RTK profiling. Keeps the rover rod on the surface that you are measuring. Go over obstacles, etc.

5125056 **SALE**
20″ GPS Rover Rod Big Wheel **$162.95**
(Requires top section of pole)

Magnetic Mounts

SECO

Easy to use magnetic mount system adapters.

855114050

85511401

85511401	Triple Mag Mount	**SALE $247.50**
855114050	Single mag mount	**SALE $ 57.50**

GPS Truck Door Bracket

This new bracket holds the GPS Pole to the door of your survey truck. Easy on and off non-damaging mount. Fits all midsize to full size trucks and SUVS. Door will open and close with bracket attached to the door. Holds all RTK and GPS type poles.

Great for checking grade, Topos, estimating RTK, surveying and site preparation.

511420FOR
Seco Truck Door Bracket... **SALE $598.98**
Std color Orange, Available in Yellow and Flo Yellow on request

Snap-Lock Rover Rods

512520FLYGT

Rod features a one piece design and two locking systems for stability. The snap lock prevents slippage and the compression lock centers the telescopic inner pole and maintains straightness. Come with 40 minute vial.

512520FLYGT
Aluminum w/graduated outer pole in 10ths...
SALE $135.75

512520FLYGM
Same as GT except Metric graduations...
SALE $135.75

512520FLY
same as GT except not graduated ..... **SALE $126.95**

512820
Carbon Fiber – not graduated ..... **SALE $329.00**

Heavy Duty 2 Meter Snap-Lock System Bag

Bag holds a 2 meter Snap-Lock Pole and bipod or tripod connected. Made of tough Cordura material and Rhinotek ends. Full length zipper,full length shoulder strap and side pocket. Inside dimensions - 5.5″ x 56″

815102FLY
Heavy Duty 2 Meter Snap-Lock Bag..... **SALE $ 75.95**

GPS Rover Rods

Two meter rover rod. Has 40 minute circular vial, handgrip and replaceable steel point. Have 5/8 x 11 male tip.

85512500	Aluminum	**SALE $ 98.95**
85512800	Carbon Fiber Rover Rod	**SALE $287.50**

Cell Phone Pole Case

Secures your cell phone to any GPS survey pole. With its grippy Toughtek and straps, this pouch will not slip. Inside dimensions are 5 x 2.5 x 1.5 inches. Flo Yellow in color.

814322FLY Cell Phone Pole Case **SALE $13.95**

GPS Rover Rod Hard Shell Case

Stores 2 piece rover rod in this hard shell case. Inside Dimensions – 4 x 41 inches

816220BLK Hard Shell Rover Rod Case..... **SALE $ 86.95**

See page 62 for additional GPS Poles / Tripods / Accessories