

KEY FEATURES

Work seamlessly with Trimble software and GIS workflows

Efficient GNSS data collection and inventory

Capture high quality photographs and link directly to features

High-speed Internet connectivity in the field



ALL YOU NEED FOR EFFICIENT DATA COLLECTION

With the essential functionality inside, trust the Trimble® Geo 5T handheld and Trimble software to deliver the efficient GIS data collection solution you can trust.

Start each day with a reliable field handheld that can handle just about everything. Capture submeter data easily with simple software workflows and optional VRS corrections—perfect for data collection inventory projects.

All-in-one essentials

You can stay focused with all the tools you need like camera, modem, and GLONASS on board—the Geo 5T gives you just what you need to efficiently complete the job at hand.



Document exactly what you see in the field and instantly send for review back in the office, saving on travel time and improving field to office collaboration.

Better data, faster

Rugged, easy-to-use, and designed for submeter data collection and maintenance the Geo 5T is compatible with Trimble's professional data collection software Trimble TerraSync™, GPS Pathfinder® Office, and Trimble Positions™ software. Use software workflows you can rely on to easily update your GIS. You don't need to be a GIS expert to capture quality data.



Business decisions are as good as the information they are based on. With software tailored to data collection and maintenance you'll be rewarded with professional-quality data and process improvements in your geospatial fieldwork.

Increase operational efficiency with the Trimble Geo 5T handheld—just what you need to get the job done.



TRIMBLE GEOEXPLORER 5 SERIES

GNSS

Receiver	45 channels
Systems	GPS, GLONASS (option), WAAS/EGNOS/MSAS
Update rate	1 Hz
Time to first fix	45 s (typical)
NMEA-0183 support	Yes
RTCM support	RTCM2.x/RTCM3
CMR support	CMR/CMR+
GPS	L1C/A
GLONASS	L1C/A, L1P

GNSS ACCURACY¹

Real-time (Horizontal RMS)

Horizontal..... submeter

Real-time DGNSS (HRMS)

Code..... submeter
SBAS² (WAAS/EGNOS/MSAS)..... typically < 1 m

Postprocessed DGNSS (HRMS)

Code..... submeter
Carrier (after 45 minutes)..... 1 cm + 2.0 ppm

TEMPERATURE

Operation..... -20 °C to +60 °C (-4 °F to +140 °F)
Storage..... -25 °C to +70 °C (-13 °F to +158 °F)

MECHANICAL SHOCK

Drop..... 1.2 m (4 ft) plywood over concrete
Vibration..... MIL-STD 810, Method 514.5

HUMIDITY RATINGS

Relative humidity..... 10-90% non-condensing

INGRESS PROTECTION

Water/Dust..... IP54

SIZE AND WEIGHT

Height..... 190 mm (7.5 in)
Width..... 90 mm (3.5 in)
Depth..... 43 mm (1.7 in)
Weight (with battery)..... 0.64 kg (1.41 lb)

BATTERY

Type..... Rechargeable, removable Li-Ion
Capacity..... 3.6 V 6.6 AH
Charge time..... 3 hours (typical)
Typical³..... > 8 hours (GNSS on)

CONNECTORS & INPUTS

- Internal microphone and speaker
- Docking station connector
- DE-9 serial via docking station or optional USB to serial cable
- SIM socket
- SDHC/SDIO card socket

CAMERA

Still mode..... Autofocus 3 MP
Still image format..... JPG
Video mode..... Up to VGA resolution
Video file format..... WMV with audio

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CELLULAR⁴ & WIRELESS⁵

GPRS/EDGE class 12, 2.5G..... 850/900/1800/1900 MHz
Bluetooth..... Version 2.1 + EDR

DISPLAY

Type..... Color TFT, LED-backlit
Size..... 3.5" (diagonal)
Resolution..... 240x320

SYSTEM

Operating system..... Windows Mobile® 6.5 Embedded Handheld
Processor..... Marvell® PXA 320
SDRAM..... 256 MB
Flash..... 2 GB
External storage..... SD/SDHC up to 32 GB

LANGUAGES

English, Spanish, French, German, Greek, Italian, Portuguese (Portuguese), Chinese (Simplified), Korean, Japanese, Russian

IN THE BOX

- Trimble Geo 5T handheld
- Rechargeable battery pack
- Docking station
- USB data cable
- AC Power adaptor
- Documentation

OPTIONAL ACCESSORIES

- Trimble Tempest™ external GNSS antenna
- Vehicle power supply
- 5 m external antenna cable
- Range pole kit for external antenna
- Backpack kit for external antenna
- Vehicle mount
- Hard carry case
- Pouch
- Serial adaptor cable

SOFTWARE COMPATIBILITY

- Trimble TerraSync software
- Trimble GPS Pathfinder® Office software
- Trimble Positions™ software suite
- Trimble GPS Controller software
- Trimble GNSS Connector software
- Custom applications built with a Mobile GIS Developer Community software development kit (SDK)
- Third party NMEA-based applications

¹ Accuracy and reliability may be subject to anomalies due to multipath, obstructions, satellite geometry, and atmospheric conditions. Always follow recommended GNSS data collection practices. Carrier postprocessed accuracy is limited to data collected within 10 km of the base station used for corrections.

² SBAS (Satellite Based Augmentation System). Includes WAAS; available in North America only, EGNOS; available in Europe only and MSAS; available in Japan only.

³ Actual run time will vary with conditions and environment of use.

⁴ The Trimble Geo 5T handheld is PTCRB certified and can operate on supported networks that do not require carrier certification. Consult with your local reseller for more information.

⁵ Bluetooth type approvals are country specific. Trimble Geo 5T handhelds have Bluetooth approval in the U.S. and in most European countries. For further information please consult your local reseller.

Trimble GeoExplorer 5 series handhelds are available in most regions but will not be available initially in China. For further information contact your local Trimble reseller.

Specifications subject to change without notice.



www.trimble.com
store.trimble.com



03-9243358 פקס ▪ 03-9243352 טל ▪ 7042 פ"ת ▪ ת.ד. 14, אודם

www.hypertech.co.il ▪ sales@hypertech.co.il

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