

## 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 ACCURACY<sup>1</sup>

### Real-time (Horizontal RMS)

Horizontal	submeter
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### Real-time DGNSS (HRMS)

Code	submeter
SBAS <sup>2</sup> (WAAS/EGNOS/MSAS)	typically < 1 m

### Postprocessed DGNSS (HRMS)

Code	submeter
Carrier (after 45 minutes)	submeter + 1.0 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
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## INGRESS PROTECTION

Water/Dust	IP54
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## 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)
Typical <sup>3</sup>	> 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 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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## CELLULAR<sup>4</sup> & WIRELESS<sup>5</sup>

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 <sup>®</sup> 6.5 Embedded Handheld Processor
Processor	Marvell <sup>®</sup> PXA 320
SDRAM	256 MB
Flash	1 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<sup>™</sup> 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<sup>®</sup> Office software
- Trimble Positions<sup>™</sup> 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

<sup>1</sup> 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.

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

<sup>3</sup> Actual run time will vary with conditions and environment of use.

<sup>4</sup> 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.

<sup>5</sup> 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 North America or China. For further information contact your local Trimble reseller.

Specifications subject to change without notice.



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