The Trimble® 5700 GPS receiver is an advanced, but easy-to-use, surveying instrument that is rugged and versatile enough for any job.

Combine your 5700 with the antenna and radio that best suit your needs, and then add the Trimble controller and software of your choice for a total surveying solution. The powerful 5700 GPS system will provide all the advanced technological power and unparalleled flexibility you need to increase your efficiency and productivity in any surveying environment.

**advanced GPS receiver technology**
The 5700 is a 24-channel dual-frequency RTK GPS receiver featuring the advanced Trimble Maxwell™ technology for superior tracking of GPS satellites, increased measuring speed, longer battery life through less power use, and optimal precision in tough environments. WAAS and EGNOS capability lets you perform real-time differential surveys to GIS grade without a base station.

**Modular design for versatility**
For topographic, boundary, or engineering surveying, clip the receiver to your belt, carry it in a comfortable backpack, or configure it with all components on a lightweight range pole. With the receiver attached to your site vehicle, you can survey a surface as fast as you can drive! For control applications, attach the receiver to a tripod … it’s designed to work the way your job requires.

**Fast and efficient data storage and communications**
Use the receiver’s CompactFlash memory to store more than 8,900 hours of continuous L1/L2 data collection at an average of 15-second intervals. Transfer data to a PC at speeds of more than 1 megabit per second through the super-fast USB port. With the option of a UHF radio modem built in, the 5700 can provide RTK communications without the need for cables or extra power!

**Experience Trimble Integrated Surveying™**
The Trimble 5700 GPS receiver is designed to support Trimble’s original Integrated Surveying™ solution. Combine your GPS and optical data in one job file in powerful Trimble field software such as Trimble Survey Controller™, then transfer the job file seamlessly to your Trimble office software, such as Trimble® Business Center, for processing.

Whenever you’re facing a new surveying challenge, your partnership with Trimble places the right tools and techniques, including GNSS technology, at your fingertips. Each Trimble system seamlessly integrates via shared workflows and technologies, making your everyday job site a place where the whole is greater than the sum of its parts: **Welcome to the Trimble Connected Site.**
### Performance Specifications

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<td>High precision multiple correlator for low multipath error</td>
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#### Shock and Vibration
- Tested and meets the following environmental standards:
  - MIL-STD-810F, Figure 514.5C-1
  - MIL-STD-167
  - IP67 dustproof, protected from temporary immersion to depth of 1 m (3.3 ft)
  - Drop test (a 1 m (3.3 ft) drop)

#### Water/Dustproof
- Tested and meets the following environmental standards:
  - IP67 dustproof, protected from temporary immersion to depth of 1 m (3.3 ft)

#### Humidity
- Tested and operates in the following range:
  - 5% to 95% relative humidity, non-operating
  - 40% to 70% relative humidity, operating

#### Temperature
- Designed to operate in the following range:
  - –40 °C to +65 °C (–40 °F to +149 °F), non-operating
  - 0 °C to +50 °C (32 °F to +122 °F), operating

#### Weight
- Less than 4 kg (8.8 lb) entire RTK rover including batteries

#### Dimensions
- 13.5 cm x 8.5 cm x 3.4 in x 9.5 in

#### Power Input
- 10.5 V DC to 28 V DC
- Maximum power consumption: 4.4 W (for receiver only, tracking and logging)
- Battery compartments: Two rechargeable, removable batteries

#### Memory
- Full data storage for external charger
- C-tick; FCC and Industry Canada Radio Approval; IEC 61000-4-2003

#### Communications and Data Storage
- 2 integrated USB ports, 2 internal battery power ports
- 16 MB CompactFlash memory
- 256 MB data storage
- 16 MB data storage

#### Initialization Reliability
- Typically <10
- Typically >99.9%

#### Initialization Time
- Typically 10 seconds
- Typically >10 hours postprocessed

#### Kerritory Surveying
- Vertical tracking accuracy of WAAS/EGNOS for external charger
- Vertical precision of WAAS/EGNOS

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#### GNSS Pseudorange Measurements
- Power output: 6.5 V to 20 V (Port 1)
- 10.5 V to 28 V (Port 3)
- 0.25 m + 1 ppm RMS
- 0.50 m + 1 ppm RMS

#### Vibration
- MIL-STD-810F, Figure 514.5C-1
- Non-operating: to 40 G, 10 msec, sawtooth
- Operating: to +193 m/s² (20495 lbf/ft²), 10 Hz sine

#### Physical Specifications
- Tough, lightweight, fully sealed magnesium alloy
- 1.5 kg (3 lb) with internal batteries, internal radio, internal battery charger, standard UHF antenna
- Less than 4 kg (8.8 lb) entire RTK rover including batteries for 7 hours, range pole, controller and bracket

#### Environmental Specifications
- Temperature
  - Operating: –40 °C to +65 °C (–40 °F to +149 °F)
  - Storage: –40 °C to +80 °C (–40 °F to +176 °F)
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  - Non-operating: 5% to 95% relative humidity
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