## GT Series

### Robotic Total Station

- **World’s fastest!** Ultrasonic motor and direct drive system
- **World’s smallest!** Redesigned to ultra-slim body
- **World’s lightest!** Accomplished lightweight, 5.7kg robotic total station
- **World’s first Internet-connected (IoT) total station!** Integrated cellular modem

Total station now offers Internet connectivity!

**Highest quality in class!** Passes various environmental tests with Topcon quality

*As robotic total station, by our research on January 2016.

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### Specifications

<table>
<thead>
<tr>
<th>Product Line</th>
<th>Auto-Tracking Model</th>
<th>Auto-collimation Model</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Model</strong></td>
<td>GT-1001</td>
<td>GT-1002</td>
</tr>
<tr>
<td><strong>Model</strong></td>
<td>GT-1003</td>
<td>GT-501</td>
</tr>
<tr>
<td><strong>Model</strong></td>
<td>GT-502</td>
<td>GT-503</td>
</tr>
</tbody>
</table>

#### General

- **Accuracy (ISO 17123-3:2001)**
- **Display resolutions** 0.5/1” (0.0001/0.0002, 0.002/0.005, 0.002/0.005)
- **Dust and water protection**
- **Fastest time under good conditions**, no compensation, EDM ALC at appropriate setting, slope distance.
- **Usage approval of Bluetooth according to measuring objects, observation situations and environmental conditions.**

#### Interface

- **General interface**
- **Keyboard**
- **Remote control range (RC handle + RC-5)**
- **Plug-in memory device**

#### Wireless communication

- **RS90N-K**
- **Operating system**
- **Bluetooth Class 1, Ver.2.1+EDR**
- **Operating range:** up to 600m (1,960ft.) (while in communication with RC-5)

#### Distance measurement

- **Accuracy (ISO 17123-3:2001)**
- **Laser output**
- **Distance measurement**
- **Measurement range**
- **Rotation speed / Auto-tracking speed**

#### Laser pointer

- **Laser output**
- **Distance measurement**
- **Measurement range**
- **Rotation speed / Auto-tracking speed**

#### Additional features

- **Auto-collimation function**
- **Auto-Tracking function**
- **Auto Tracking / Auto-collimation**
- **Auto-collimation**
- **Motor type**
- **Motorized speed / Auto-tracking range**
- **Auto-Tracking / Auto-collimation range**

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**Touch Screen**

- **24 keys with backlight**
- **On single face**
- **On both faces (Face 1 is only touch screen display)**

**Battery**

- **Li-ion rechargeable battery**
- **Battery capacity**

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**ATTENTION**

Specifications may be region specific and are subject to change.

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Fastest • Smallest • Lightest
Newborn...The next generation total station

The world’s fastest!* UltraSonic motor and direct drive system!
Accomplished world’s fastest turning speed of 180° per second with UltraSonic motor and direct drive system. This also contributes to ultra-slim body.

The world’s lightest* Accomplished weight-saving, 5.7 kg motor drive total station!
GT is a third smaller than any previous Topcon robotic instrument and the same weight as a manual total station — providing easy carrying and set up at a project site.

World’s first Internet-connected (IoT) total station* Integrated cellular modem. Total station now with Internet-connectivity!
GT is fully networked with cellular modem and wireless LAN. This allows direct connectivity to MAGNET® Enterprise and provides you close connection between project site and office staff and managers.

Highest quality in class
Passes various environmental test with Topcon quality!
Tough designed GT, passes impact, vibration, high-temperature, and humidity testing — provides consistent performance at any harsh environments.

The Guide Light allows operators to instantly recognize the line between the instrument and the stakeout line, with clearly visible Green and Red lights.

RC-5 sensor on the handle can be used for auto-prism searching. This allows easy, rapid prism searching regardless of your position.

Just “Rough Aim” and “Press Trigger button” to get precise aiming and measurement automatically and easily.

Serial cable and USB connections can be used (Max:32GB) for data transmission/reception.

Provides protection from dust and driving rain as well as other inclement weather conditions.

Operates in temperatures from -20 to +50ºC.

Large and high-resolution WVGA display provides clear visibility under the sun light. Moreover, large size icon improves operability.

You can rotate GT with smooth jog dial.

Bright, Sharp Guide Light
The Guide Light allows operators to instantly recognize the line between the instrument and the stakeout line, with clearly visible Green and Red lights.

Green: move to right
Red: move to left

Auto-tracking
Increases power for prism tracking under extreme conditions of frequent interruption or strong reflections.
Even if a prism rock is lost, you can easily rotate GT and reacquire prism with RC-5 and go back to work smoothly.

Auto-collimating
Precise measurement can be done by just “Rough Aim” and “Press Trigger button” without lens focus and other operation.
Auto-collimating provides consistent accuracy and speed regardless of operator’s skill levels and condition.

*As robotic total station, by our research on January 2016.