Topcon does it again – an even smaller, lighter, faster, survey solution to handle your biggest jobs

- World's Longest Range Reflectorless EDM (2000m) (GPT-7500)
- Backlit keypad and display
- USB Type A and USB mini slots
- Increased Battery Capacity (5000mAh)
- Advanced WinCE processor on-board
- New smaller, lighter design

Specifications

<table>
<thead>
<tr>
<th>LASER</th>
<th>GTS-751</th>
<th>GTS-753</th>
<th>GTS-755</th>
<th>GPT-7501</th>
<th>GPT-7503</th>
<th>GPT-7505</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANGLE MEASUREMENT</td>
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</tr>
<tr>
<td>Method</td>
<td>Absolute Reading</td>
<td>Absolute Reading</td>
<td>Absolute Reading</td>
<td>Absolute Reading</td>
<td>Absolute Reading</td>
<td>Absolute Reading</td>
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<tr>
<td>Min. Reading</td>
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<td>1&quot;/1.5&quot;</td>
<td>1&quot;/1.5&quot;</td>
<td>1&quot;/1.5&quot;</td>
<td>1&quot;/1.5&quot;</td>
<td>1&quot;/1.5&quot;</td>
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<td>Compensation</td>
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<td>Compensating Range</td>
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<td>±6&quot;</td>
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<td>TELESCOPE</td>
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</tr>
<tr>
<td>Magnification</td>
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<td>30x</td>
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<td>30x</td>
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<tr>
<td>Min. Focus Distance</td>
<td>1.3m</td>
<td>1.3m</td>
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<tr>
<td>PRISM MODE DISTANCE MEASUREMENT</td>
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<td>1 prism</td>
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<td>3000m</td>
<td>3000m</td>
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<tr>
<td>3 prism</td>
<td>4000m</td>
<td>4000m</td>
<td>2700m</td>
<td>4000m</td>
<td>4000m</td>
<td>4000m</td>
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<tr>
<td>9 prism</td>
<td>5000m</td>
<td>5000m</td>
<td>3400m</td>
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<td>Mini prism</td>
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<td>900m</td>
<td>1000m</td>
<td>1000m</td>
<td>1000m</td>
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<tr>
<td>Accuracy</td>
<td>±(2mm+2ppmD&quot;) m.s.e.</td>
<td>±(2mm+2ppmD&quot;) m.s.e.</td>
<td>±(2mm+2ppmD&quot;) m.s.e.</td>
<td>±(2mm+2ppmD&quot;) m.s.e.</td>
<td>±(2mm+2ppmD&quot;) m.s.e.</td>
<td>±(2mm+2ppmD&quot;) m.s.e.</td>
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<tr>
<td>NON-PRISM MODE DISTANCE MEASUREMENT (GPT-7500 Series Only)</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Range (Kodak White)</td>
<td>1.5m - 200m</td>
<td>5.0m - 2000m</td>
<td>1.5m - 200m</td>
<td>5.0m - 2000m</td>
<td>1.5m - 200m</td>
<td>5.0m - 2000m</td>
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<tr>
<td>Accuracy</td>
<td>±(10mm)</td>
<td>±(10mm)</td>
<td>±(20mm+10ppmD&quot;)</td>
<td>±(10mm)</td>
<td>±(10mm)</td>
<td>±(100mm)</td>
</tr>
</tbody>
</table>

COMPUTER UNIT

- Processor: PXA255 400MHz
- Memory: 64M byte
- RAM: 256MByte (Flash ROM) + 128MByte (SD Card)
- ROM: 2Mb (Flash ROM) + 128Mb (SD Card)
- Displays: Dual
- Screen: 320 x 240(QVGA) Color LCD TFT
- INTERFACE
  - Card System: Compact Flash Card (Type III)
  - Serial IF Port: RS-232C (6 pin)
  - On-Board: Compact Flash Card (Type III)
  - RS-232C (6 pin)
- PHYSICAL SPECIFICATION
  - Weight (with battery): 5.9kg
  - Carrying case: 4.5kg
  - Environmental: IP54 (Based on the standard IEC60529)
  - Operating Temp.: -20°C to +50°C (-4°F to +122°F)
  - Battery Power: 12h
  - Angle measurement only: 12h
  - Recharging: 5h

Your local Authorized Topcon dealer is:

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Livermore, CA 94550
www.topconpositioning.com

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Tokyo 174-8580, Japan
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Fax: 3-3960-4214
www.topcon.co.jp

Topcon Europe Positioning B.V.
Essexman 11, 2621 LC Capelle a/d IJssel
THE NETHERLANDS
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Fax: 010-4585045
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Fax: +86-10-6780-2790

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Topcon is the world leader in survey instrumentation. In fact, Topcon changed the way topography and layout work is done. We continue to lead the industry with time-saving solutions—from the 1976 introduction of the Guppy, the forerunner of Topcon’s Total Stations, to quick-lock, onboard imaging, and long-range EDM (Electronic Distance Meter) technology.

Topcon’s total station product line includes the GPT-7500 and GTS-750 Total Stations. These instruments represent a new standard in speed, accuracy, and ease of use. The GPT-7500 provides the world’s longest range, with a 2000-meter (6500 ft) range. Its three-second angle accuracy is unsurpassed in its class. The GTS-750 is smaller, lighter, and faster, with a 400-MHz processor installed.

Smaller, lighter, and faster, the GPT-7500/GTS-750 Total Stations provide a lighter, faster survey solution for handling your biggest jobs. Both models feature 1, 3, or 5-second angle accuracy to fit your job and budget. Enjoy the benefits of a large color touch screen and backlit keypads on both sides of the unit (1 & 3 second models only). All models come standard with a 400-MHz processor and Windows CE operating system, and increased battery capacity (5000mAh). The USB A, USB mini port, and Compact Flash port gives you plenty of storage space and upload/download options. There’s even Point Guide LEDs that visually inform the rod man that he’s online. And like all Topcon survey instruments, they are ruggedly built to withstand harsh conditions.

The GPT-7500 provides the world’s longest range refl ectless EDM: 6500 ft (2000m). Its refl ectless beam measures what you want to measure, even when shooting through obstacles such as fencing or tree branches. Refl ectless equals safety; stop sending a rod man into dangerous terrain or high traffic situations. Take shots of areas that are difficult or impossible to access from a safe distance.

Smaller and lighter, it’s easy to take into the field, set-up, and move to get the job quickly and with less hassle. The GTS-750, now with the 400-MHz processor installed, takes fast shots, so there’s less waiting time. Just point at the prism and shoot.

The GPT-7500/GTS-750 Total Stations are setting the new standard by which all total stations will be measured.
Topcon is the world leader in survey instrumentation. Topcon’s GPT-7500/GTS-750 Series is the answer for the most demanding jobs. Smaller, Lighter, Faster. Topcon’s GPT-7500/GTS-750 Series Total Stations are the next wave of revolutionary design and advanced technology.

**TopSURV Onboard**
- Expanded import and export for CAD packages
- Exclusive enhanced right mouse support
- Multiple layer selection
- Exclusive Topo Grid Function
- Improved digital level support

**Connected**
- Expand on-board memory or move files using Compact Flash technology
- Upload or download data directly to a PC in the field or off site using the USB A port
- Use the mini USB port to connect to activesync

**Visibly Different**
- Dual backlit full keypad (1" & 3" models only)
- Smaller, lightweight design and rugged construction for ease of transport and durability
- Rechargeable batteries provide increased operating times

**Work the Way You Want**
The GTS-750 and GPT-7500 models have an external data port for use with external data collectors from Topcon and other third parties. The On-board Windows CE system allows other third party software to be loaded on-board.

**World’s Longest Range**
Refl ectorless EDM (GPT-7500 only)
- Most powerful refl ectorless EDM available (2000m)
- Long range power means unsurpassed short range performance
- Pinpoint accuracy with narrow, focused beam

**Smaller. Lighter. Faster. Longer.**
Topcon’s GPT-7500/GTS-750 Series Total Stations

**Standard packages include:**
- GTS-750 / GPT-7500 with Lens Cap
- Battery Charger BC-30 and AC Cable
- Battery BT-65Q
- GTS-750 / GPT-7500 with Lens Cap
- Instruction Manual (CD-ROM)
- Shoulder Belt
- Display Protector Sheet

**The Leader in Positioning Technology**
Topcon’s positioning products deliver unparalleled site-wide performance and integration. Our history of technological advances, reputation for superior reliability means there is no other company positioned to provide a better Total Positioning Solution.

From survey to inspection, with our world-wide dealers, we provide innovative technology, giving surveyors, civil engineers, contractors, equipment owners, and operators the competitive edge by addressing the critical issues: increasing profit to, quality craftsmanship, improving productivity, lowering operating costs, and enhancing job site safety.

Our goal is full positioning integration from fi eld to off -fi eld. If you are ready for the next level, it’s time to turn to Topcon.

**The Leader in Customer Satisfaction**
To ensure that your Topcon instrument maintains peak performance, your local Topcon dealer offers factory trained and certifi ed service technicians. If service is not available in your area, we offer a repair and return policy that is second to none.
### Advanced Standard and Non-prism Total Stations

**GPT-7500/GTS-750 Series**

**World’s Longest Range Reflectorless EDM (2000m)**
- Backlit keypad and display
- USB Type A and USB mini slots
- Increased Battery Capacity (5000mAh)
- Advanced WinCE processor on-board
- New smaller, lighter design

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<td></td>
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<tr>
<td>Accuracy** Method</td>
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<tr>
<td>Dual Axis</td>
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<tr>
<td>Phone:</td>
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<td>30x</td>
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<tr>
<td>Min. Focus Distance</td>
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<td></td>
</tr>
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</table>

#### TELESCOPE

<table>
<thead>
<tr>
<th>Magnification (x)</th>
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</tr>
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<td>Min. Focus Distance</td>
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#### PRISM MODE DISTANCE MEASUREMENT

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<tr>
<th>Range (Kottak White)</th>
<th>2000m</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accuracy** Method</td>
<td>±2mm+2ppm9m</td>
</tr>
<tr>
<td>Coarse</td>
<td>±10mm</td>
</tr>
<tr>
<td>Tracking</td>
<td>±100nm</td>
</tr>
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</table>

#### COMPUTER UNIT

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<th>On-board Processor</th>
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<td>Displays</td>
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<td>Screen</td>
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</tr>
<tr>
<td>Interface</td>
<td>CompactFlash Card (Type III)</td>
</tr>
<tr>
<td>Serial I/F Port</td>
<td>RS-232C (6 pin)</td>
</tr>
<tr>
<td>USB Mini-B and Type A</td>
<td>(2) USB Mini-B and Type A</td>
</tr>
</tbody>
</table>

#### PHYSICAL SPECIFICATION

| Weight Instrument (with battery) | 5.9kg |
| Carrying case                   | 4.5kg |
| Environmental Operating Temp.   | -20°C to +50°C (-4°F to +122°F) |
| Battery Power In/Outside distance measurement | 10h / 12h |
| Recharging                       | 5h    |

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**Topcon does it again – an even smaller, lighter, faster, survey solution to handle your biggest jobs**

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Beijing 101700, China
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Fax: +86-10-6780-2790

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**OEMs Worldwide**

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**Topcon Positioning Systems, Inc.**

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*Specifications subject to change without notice*

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