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

- World’s Longest Range Reflectofless 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

#### LASER
<table>
<thead>
<tr>
<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>ACCURACY</td>
<td>1&quot;</td>
<td>3&quot;</td>
<td>5&quot;</td>
<td>1&quot;</td>
<td>3&quot;</td>
</tr>
<tr>
<td>METHOD</td>
<td>Absolute Reading</td>
<td>Dual Axis</td>
<td>0.5&quot;/1&quot;</td>
<td>Dual Axis</td>
<td>0.5&quot;/1&quot;</td>
</tr>
<tr>
<td>MIN. FOCUS DISTANCE</td>
<td>1.3m</td>
<td>1.3m</td>
<td>1.3m</td>
<td>1.3m</td>
<td>1.3m</td>
</tr>
</tbody>
</table>

#### ANGLE MEASUREMENT
- Compensating Range: 1" / 5" (Dual Axis)
- Compensating Range: 1" / 10" (Single Axis)

#### TELESCOPE
- Magnification: 30x
- 4x Magnification: 30x
- 5x Magnification: 30x
- 6x Magnification: 30x
- 7x Magnification: 30x

#### PRISM MODE DISTANCE MEASUREMENT
- 1 prism: 3,000m, 3,000m, 2000m
- 3 prism: 4,000m, 4,000m, 2700m
- 9 prism: 5,000m, 5,000m, 3400m
- Mini prism: 1,000m, 1,000m, 900m

#### NON-PRISM MODE DISTANCE MEASUREMENT (GPT-7500 Series Only)
- Range (Kodak White): 1.5m - 250m, 5.0m - 2000m
- Accuracy: ±(2mm+2ppmxD*) m.s.e.

#### COMPUTER UNIT
- Processor: PXA255 400MHz
- Memory: 64M byte RAM, 2Mb(Flash ROM) + 128Mb(SD Card)
- Displays: Dual 320 x 240(QVGA) Color LCD TFT

#### PHYSICAL SPECIFICATION
- Weight: 5.9kg (Instrument with battery), 6.6kg (Carrying case)
- Environmental: IP54 (Based on the standard IEC60529)
- Operating Temp.: -20°C to +50°C (-4°F to +122°F)
- Battery Power: 10h (Include distance measurement), 12h (Angle measurement only)
- Recharging: 5h

---

Topcon does it again – an even smaller, lighter, faster, survey solution to handle your biggest jobs.
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 Gypsy, the first Total Station, to quick-lock, onboard imaging, and long range EDM (Electronic Distance Meter) technology.

Topcon’s 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” models only). All models come standard with a 400Mhz 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 ectorless EDM: 6500+ ft. (2000m). Its refl ectorless beam measures what you want to measure, even when shooting through obstacles such as fencing or tree branches. Refl ectorless 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 fi nish the job quickly and with less hassle. The GTS-750, now with the 400Mhz processor installed, allows other third party software to be loaded on-board.

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

Compact Flash card slot
- 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

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
- Pointing accuracy with narrow, focused beam

Smaller. Lighter. Faster. Longer. Topcon’s GPT-7500/GTS-750 Series Total Stations are the next wave of revolutionary design and advanced technology.

TopSight
- Pinpoint accuracy with narrow, focused beam
- Long range power means unsurpassed short range performance

Topcon’s refl ectorless GPT-7500 and conventional 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” models only). All models come standard with a 400Mhz 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 ectorless EDM: 6500+ ft. (2000m). Its refl ectorless beam measures what you want to measure, even when shooting through obstacles such as fencing or tree branches. Refl ectorless 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 fi nish the job quickly and with less hassle. The GTS-750, now with the 400Mhz processor installed, takes fast shots, so there’s less waiting time. Just point at the prism and shoot.

Smaller, lighter, and faster, the GPT-7500/GTS-750 Total Stations are the next wave of revolutionary design and advanced technology.
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 first Total Station, to quick-look, onboard imaging, and long-range EDM (Electronic Distance Meter) technology.

Topcon’s reCt eless GPT-7500 and conventional 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 400Mhz processor and Windows CE operating system, and increased battery capacity (5000mAh). The USB A, USB mini port, and Compact Flash port give 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 ectorless EDM: 6500 ft. (2000m). Its refl ectorless beam measures what you want to measure, even when shooting through obstacles such as fenc ing or tree branches. Recl ectorless equals safety: stop sending a rod man into dangerous terrain or high traffi c situations. Take shots of areas that are diffi cult or impossible to access from a safe distance.

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

Smaller, lighter, and faster, the GPT-7500/GTS-750 Total Stations are setting the new standard by which all total stations are measured.

Advanced features, durable construction – standard or refl ectorless, Topcon’s GPT-7500/GTS-750 Series is the answer for the most demanding jobs.

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 fi les using Compact Flash technology
• Upload or download data directly to a PC in the fi eld or off-line 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-750 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.

Smaller. Lighter. Faster. Longer. Topcon’s GPT-7500/GTS-750 Series Total Stations are the next wave of revolutionary design and advanced technology.

Integrated, removable handle

Point Guide

USB A and mini connector

Vertical Angle Lock and Adjustment

Compact Flash card slot

Horizontal Angle Lock and Adjustment

Optical Plummet

There’s a GPT-7500 or GTS-750 to fi t your jobs and your budget
Whenever the job or budget, there is a Total Station for you. Both the GPT-7500 and GTS-750 are built with the highest standards, guaranteed to fi t any budget. It’s time to add the accuracy of the world’s most advanced Total Station to your job.

Standard packages include:
• GTS-750/GPT-7500 with Lens Cap
• Battery Charger BC-30 and AC Cable
• Battery Charger BC-30 and AC Cable
• Shovel tool set
• Instruction Manual (CD-ROM)
• Sun Shade
• Plastic-Rain Cove
• Tool Kit
• Carrying Case
• Display Protection Sheet

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

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 proifi t, quality craftsmanship, improving productivity, lowering operating costs, and enhancing job site safety.

Our goal is full positioning integration from fi eld-to-fi nish. 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.
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>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Accuracy** Method</td>
<td>Dual Axes</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Min. Reading</td>
<td>1&quot;/1'5&quot;</td>
<td>3&quot;/1'5&quot;</td>
<td>5&quot;/1'5&quot;</td>
<td>1&quot;/1'5&quot;</td>
<td>3&quot;/1'5&quot;</td>
<td>5&quot;/1'5&quot;</td>
</tr>
<tr>
<td>Compensating Range</td>
<td>±5&quot;</td>
<td>±5&quot;</td>
<td>±5&quot;</td>
<td>±5&quot;</td>
<td>±5&quot;</td>
<td>±5&quot;</td>
</tr>
<tr>
<td>TELESCOPE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Magnification</td>
<td>30x</td>
<td>30x</td>
<td>30x</td>
<td>30x</td>
<td>30x</td>
<td>30x</td>
</tr>
<tr>
<td>Min. Focus Distance</td>
<td>1.3m</td>
<td>1.3m</td>
<td>1.3m</td>
<td>1.3m</td>
<td>1.3m</td>
<td>1.3m</td>
</tr>
<tr>
<td>PRISM MODE DISTANCE MEASUREMENT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Range (Kostal White)</td>
<td>1.5m - 250m</td>
<td>5.0m - 2000m</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Accuracy</td>
<td>±(5mm)</td>
<td>±(10mm)</td>
<td>±(10mm)</td>
<td>±(10mm)</td>
<td>±(10mm)</td>
<td>±(10mm)</td>
</tr>
<tr>
<td>Non-Prism Mode Distance Measurement (GPT-7505 Series Only)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>INTERFACE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Card System</td>
<td>CompactFlash Card (Type III)</td>
<td>CompactFlash Card (Type III)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Serial IF Port</td>
<td>RS-232C (6 pin)</td>
<td>RS-232C (6 pin)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(2) USB Mini-B and Type A</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHYSICAL SPECIFICATION</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weight</td>
<td>5.9kg</td>
<td>6.6kg</td>
<td>6.6kg</td>
<td>6.6kg</td>
<td>6.6kg</td>
<td>6.6kg</td>
</tr>
<tr>
<td>Carrying Case</td>
<td>4.5kg</td>
<td>4.5kg</td>
<td>4.5kg</td>
<td>4.5kg</td>
<td>4.5kg</td>
<td>4.5kg</td>
</tr>
<tr>
<td>Environmental Operating Temp.</td>
<td>-20°C to +50°C (-4°F to +122°F)</td>
<td>-20°C to +50°C (-4°F to +122°F)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Battery Power</td>
<td>Include distance measurement 12h</td>
<td>Include distance measurement 6h</td>
<td>Angle measurement only 12h</td>
<td>Angle measurement only 12h</td>
<td>Recharging 5h</td>
<td>Recharging 5h</td>
</tr>
</tbody>
</table>

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

Topcon Positioning Systems, Inc.
7400 National Drive
Livermore, CA 94550
www.topconpositioning.com

Your local Authorized Topcon dealer is:

TOPCON CORPORATION
17-1 Hasunuma-cho, Itabashi-ku
Tokyo 174-8580, Japan
Phone: 3-3960-4214
Fax: 3-3960-4214
www.topcon.co.jp

Topcon Positioning Systems, Inc.
7400 National Drive
Livermore, CA 94550
www.topconpositioning.com

Topcon Europe Positioning B.V.
Essebaan 11, 2908 LJ Capelle a/d Ijssel
THE NETHERLANDS
Phone: 010-4585077
Fax: 010-4585045
www.topconeurope.com

Topcon Corporation Beijing Office
Block A No 5
Kangping Street
Beijing Economic Technological Development Area
Beijing 100176, CHINA
Tel: +86-10-6780-2799
Fax: +86-10-6780-2790

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

Topcon Corporation
75-1 Hasunuma-cho, Itabashi-ku
Tokyo 174-8580, Japan
Phone: 3-3960-2520
Fax: 3-3960-2521
www.topcon.co.jp

Specifications subject to change without notice
©2008 Topcon Corporation - All rights reserved.

Windows is a registered trademark of Microsoft Corporation in the United States and other countries. Other trademarks and trade names are those of their respective owners.