OS Series Total Stations

A new standard for Total Stations Topcon's new OS Series Total Station. A new advanced design with superior technology.

Features & Benefits

- TSshield™ Advanced Security and Maintenance
- Fast and Powerful EDM
- Longlink™ Communication
- On Board Magnet Software
- Advanced Angle Accuracy
- Super Long Life Battery

View Promotional Video

The new OS Series was designed for the "On board" software professional that incorporates Windows 6.0 and MAGNET. These advantages, all in a small sleek design--you'll appreciate the advantages from the very first measurement.

A World's First! New TSshield™

Topcon is proud to offer another World's First technology in all OS Series total stations – TSshield™. Every instrument is equipped with a telematics-based multi-function communications module providing the ultimate security and maintenance capabilities for your investment.

If your activated instrument is lost or stolen, you can send a coded signal to the instrument and disable it – your total station is secure anywhere in the world!

In the same module you have daily connectivity to cloud-based Topcon servers that can inform you of available software updates and firmware enhancements.
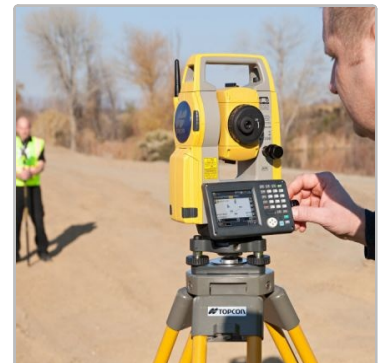
Ultra-Powerful, Advanced EDM

The **500m (1,640 ft) Non-Prism** is a phase shift EDM that has a smaller beam width then other non-prism instruments in this class. Measurements can be as fast as .9 seconds in the fine mode. The Topcon algorithm reduces the noise associated with non prism measurements providing an accurate result to most surfaces over longer distance. This is true for darker surfaces and wet surfaces where other non-prism fail. Our smaller beam width allows Topcon to get measurements to a fence as well as through the fence to a building behind. **4000m** is the distance to a prism.

Exclusive LongLink

For stakeout and other operations where being at the prism pole with a field controller is critical, Topcon's exclusive LongLinkTM functionality allows you to operate a field controller more than 300m away from the instrument. LongLinkTM brings you flexibility you've never had before.

MAGNET ™ Field Software

A family of software solutions that streamlines the workflow for surveyors, contractors, engineers and mapping professionals. Modern User Interface for users. MAGNET Field on-board provide a bright, graphical user interface with large touch icons, and bright readable text. The screens not only look good, but provide fast workflows. The icon and text field interface is easy to use and has been optimized to provide both text and images to indicate what data is needed on each screen. Shortcut buttons and fast access tabs provide a very productive interface.

Topcon OS series Total Station Specifications	
Angle Measurement	
Accuracy	1" (0.3 mgon) / 2" (0.6 mgon) / 3" (1.0 mgon) / 5" (1.5 mgon)
Tilt Correction	Dual Axis
Compensating Range	± 6'

Distance Measurement	
Prism Mode	
Range	13,120' (4,000m) - 9,840' (3000m) - to 1 prism
Measuring Accuracy	±2mm + 2ppm m.s.e
Measuring Time	0.9s
Non-Prism Mode	
Measuring Range	1'-1,640' (0.3m-500m)
Measuring Accuracy	±3mm + 2ppm m.s.e (-200m)
Measuring Time	0.9s
Other	
User Interface	Bluetooth Class 2 / USB Type A / RS232
Data Storage	750MB
Ingress Protection	IP66
Operating Time at 68°F (20°C)	18 hours
Battery	1 piece