

# Topcon OS Total Station Series



A new Topcon reflectorless total station series features multiple major technological innovations, including on-board MAGNET Field application software. Other new technologies of the new OS series include LongLink, a long-distance wireless communications system and TSshield, an advanced telematics-based communications module designed to protect the owner's investment.

The OS has an on-board Windows CE6 computer to run MAGNET Field software providing large colourful icons with touch-screen, ease-of-use operation in mind. MAGNET considers everything from data collection, CAD, data manipulation and reporting, to data exchange, and cloud-based project management in a cloud-linked environment. The

Topcon Group has created a software system that brings productivity improvements to every part of a surveying or construction organisation, made simple and affordable.

The OS is available in 1, 2, 3, and 5 arc second accuracy models.

The LongLink communications module, when connected with a compatible data collector, provides a productive 'smart pole' operation adding speed and accuracy to virtually all measurement operations. With a range of almost 1,000 feet, LongLink makes hand signals and other error-prone field crew communications a thing of the past, according to Topcon.

The electronic distance measurement (EDM) has a smaller beam width than other non-prism instruments in its class. The beam spot ensures precise measurement, especially at shallow incidence angles that outdated technology simply cannot provide. It is also ultra-fast with less than a second fine measurement speed.

The OS has a non-prism operating distance of 1,640 feet (500m) and 13,120 feet (4,000m) with a prism.

TSshield enables owners to receive on-instrument notices of available firmware updates. Additionally, if the instrument is lost or stolen, a future firmware release will allow the owner to send a coded signal virtually anywhere in the world to the instrument to disable it.

<http://topconpositioning.us2.list-manage1.com/track/click?u=7ff68974b118f22a8edabc747&id=4e6fdf19e2&e=dbb760a146os-series>

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<https://www.gim-international.com/content/news/topcon-os-total-station-series>

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