



MAXIMUM FLEXIBILITY AND COST SAVINGS

Application programs let you set up anywhere faster and perform all job site layout and measurement tasks yourself. You'll reduce your need for outsourcing and lower your costs.

EASY TO LEARN AND USE

Easy-to-follow user interface shortens the learning curve and speeds up operation. With minimal training, you'll find you don't need to be a surveyor to use these total stations.

ONE-PERSON OPERATION

Handle all layout tasks with only one person. Regardless of the complexity, your layout will be quick and accurate.

TRIMBLE ROBOTIC TOTAL STATIONS

The Trimble Robotic Total Stations connects to the LM80 to provide continuous measurement information for the accurate layout of your design data. On the jobsite, you can set up the total station in a convenient, visible location and perform positioning up to 700 meters away with the prism pole. In addition, to reach dangerous or difficult locations, you can use the reflectorless distance measurement capability to measure positions up to 800 meters away. A true one-person solution, which dramatically increases productivity over traditional layout methods!



Trimble Robotic Total Stations Specifications	Trimble RTS555	Trimble RTS655	Trimble RTS633
Robotic Communication Type	Internal 2.4 GHz WLAN Eliminates need for external radio	Internal 2.4GHz Radio	Internal 2.4 GHz Radio
Robotic Communication Type	< 200 m (656 ft.)	< 700 m (2296 ft.)	< 700 m (2296 ft.)
Angle Accuracy - DIN18723	Horizontal: 5" (1.5 mgon) Vertical: 5" (1.5 mgon)	Horizontal: 5" (1.5 mgon) Vertical: 5" (1.5 mgon)	Horizontal: 3" (1.0 mgon) Vertical: 2" (0.6 mgon)
Standard Measurement	± 2 mm = 2 ppm	± 2 mm = 2 ppm	± 3 mm = 2 ppm
Measurement Distance - 1 Prism	< 3,000 m (9,800 ft.)	< 3,000 m (9,800 ft.)	< 2,500 m (8,202 ft.)
DR Range - Kodak (90% reflective)	Up to 150 m (492 ft.)	Up to 150 m (492 ft.)	Up to 800 m (2,625 ft.)
Operating Temperature	-20 °C to 50 °C (-22 °F to 140 °F)	-20 °C to 50 °C (-22 °F to 140 °F)	-20 °C to 50 °C (-22 °F to 140 °F)
Dust and Water Proofing	IP55	IP55	IP55
Operating Time	Approx. 6 hours on single battery	Approx. 6 hours on single battery	Approx. 6 hours on single battery