Technology You Can Rely On

The Trimble® TS662 and TS635 Mechanical Total Stations are rugged, feature-packed instruments for contractors performing site stakeout and measurement functions on the construction site. With easy-to-use onboard software and an affordable price point, these two mechanical instruments are the ideal entry-point if you are looking to introduce technology to your job site.

Improved Efficiency

The Trimble TS600 Series delivers practical hardware and software in a rugged— but sleek and compact—housing. Whether performing stakeout, measuring points or lines or as-builts, the Trimble TS600 Series Total Stations make your task more efficient, safer and easier. Long-range reflectorless DR (Direct Reflex) enables you to measure even hard-to-reach points quickly and safely—up to 300 m without a prism.

Easy-to-Use Software

The Trimble TS600 Series instruments employ onboard software that has been proven in the field. It is powerful and easy-to-use, so you'll be more productive in no time. The software delivers powerful construction-specific workflows for data collection and feature coding, stakeout programs, COGO calculation programs, and measurement functions. A full alpha-numeric keyboard provides dedicated keys for accessing software menus and modes.

Industry-leading Performance

You can always rely on the Trimble TS600 instruments to deliver the accuracy you need. Industry-leading distance and measurement capabilities and a simple interface let you take control of your site surveying needs without the expense of third party subcontractors.

You can use the TS600 Series instruments standalone or paired with a Trimble TSC3 Controller and Trimble SCS900 Site Controller Software for a more robust graphical interface and additional functionality. When used with the TSC3 Controller, you can perform more advanced measurement tasks and wirelessly transfer this data to the office using Trimble Connected Controller functionality.

Unmatched Support

Trimble is the industry leader in high-accuracy positioning, delivering the latest technology and workflows for construction. So with a Trimble TS600 Series Total Station you can be assured of the quality of your work, and confidently stake your reputation on your results.

Training from your local SITECH® Technology Dealer and support from the Trimble 24/7 worldwide network means you are never alone; surveying and construction experts are ready to lend a hand whenever you need it.
**SPECIFICATIONS**

**dIn 18723 accuracy (horizontal and vertical)**
- **Ts635**: 2"/0.5 mm
- **Ts635 Reflectorless / Laser pointer**: Class 1 laser

**Reading system**
- Absolute encoder

**Magnification**
- 125 mm (4.9 in)

**Field of view**
- 1°20'

**Barometric pressure**
- 400 mmHg to 999 mmHg/533 hPa to 1,332 hPa/15.8 inHg to 39.3 inHg

**Temperature range**
- –40 °C to +60 °C (–4 °F to +140 °F)

**Barometric pressure correction**
- ±(3 + 2 ppm × D) mm

**Operating temperature range**
- –20 °C to +50 °C (–4 °F to +122 °F)

**Storage temperature range**
- –25 °C to +60 °C (–13 °F to +140 °F)

**Weight (approx.)**
- **Ts635 Main unit**: 3.6 kg (8 lb)
- **Ts635 Main unit (without battery)**: 3.8 kg (8 lb)

**Internal Li-ion battery (x2)**
- **Charging time**: 4 hours
- **Output voltage**: 3.8 V dC

**Environmental**
- **Dust and water protection**: IP66
- **Gas and dust protection**: 1.5 m to 3,000 m (4.9 ft to 984 ft)
- **Temperature range**: –20 °C to +50 °C (–4 °F to +122 °F)

**Wireless communications**
- **Operating range**: 1.5 m to 300 m (4.9 ft to 984 ft)
- **With reflector sheet**: 1.5 m to 300 m (4.9 ft to 984 ft)

**Dimensions**
- **W x D x H**: 149 mm x 145 mm x 306 mm (5.8 in x 5.7 in x 12.0 in)

**Label**
- **Weight (approx.)**: 3.8 kg (8 lb)

**Bluetooth**
- **Integrated Bluetooth**: backlit, graphic LCD (128x64 pixel)

**Point memory**
- **10,000 records**

**Full charge**
- **4 hours**

**Approximate operating time**
- **Continuous distance/angle measurement**: approx 26 hours
- **Continuous angle measurement**: approx 31 hours
- **Distance/angle measurement (every 30 seconds)**: approx 26 hours

**White objects with high reflectivity (KGC 90%). Measuring distance may vary depending on targets and atmospheric conditions.**

**Battery life specification at 25 °C (77 °F)**
- Approx 26 hours (distance/angle measurement every 30 seconds)
- Approx 26 hours (continuous angle measurement)

**Specifications subject to change without notice.**

**CERTIFICATION**
- Class B part 15 FCC certification, CE Mark approval, C-Tick

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