e-survey

eTS2

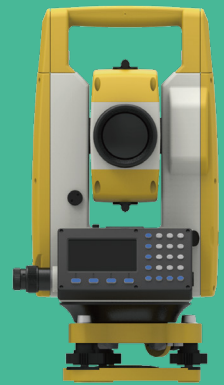## HIGH-EFFICIENCY OPERATION TOTAL STATION

The eSurvey eTS2 is a high-precision manual total station with a better measurement range. The eTS2 can import and export data through a USB disk more efficiently, thanks to its standard USB flash disk interface. With a complete design, ensure efficient measurement.

Optical

Longer Measurement Range

Measure in prism mode within 5000 m. Measure distance in reflectorless mode within 1000 m.

Simple Interface,Easy to Operate

Easy-to-use operation interface and alphanumerical keyboard support users to do survey work easier.

Faster Measurement

Precise measurement 0.3 seconds and tracking 0.1 seconds make the survey work more quickly and conveniently.

Long Working Time

It has a 3100 mAh battery, and supports memory with 100000 points to meet your field measurement needs.

More Reliable Result

Use liquid, dual-axis compensation with a compensation range of ±4 ', ensuring more stable measurement accuracy.

Convenient Data Exporting

Quickly and easily export the measured data via the USB flash drive for data processing.

Website   Social media

Product Specification

eTS2

HIGH-EFFICIENCY OPERATION TOTAL STATION

Angle Measurement

Reading system	Absolute encoder
Display resolution	0.1″ /1″ /5″ /10″
Accuracy	2″

Distance Measurement

Minimum reading	0.0001m
Measurement display	12digits
Range	■ Prism: 5000 m ■ Reflector: 1000 m ■ Non-Prism: 1000 m
Accuracy	■ Prism: ± (2 mm + 2 ppm · D) ■ Reflector: ± (2 mm + 2 ppm · D) ■ Non-Prism: 3 mm + 2 ppm · D

Telescope

Magnification	30x
Field angle	1°30'
Minimum focus	1.2m
Objective aperture	EDM 50 mm
Image	Erect
Resolution	3″
Reticle illumination	5 level

Compensator

Compensator type	Dual axis
Compensator range	±4'
Compensator resolution	1″

Measurement Time

Tracking/rapid/fine	■ Prism: fine: 0.3 seconds tracking: 0.1 seconds ■ Non-prism: 0.3 - 3 seconds

Level Vial Sensitivity

Plate level	30″ / 2 mm
Circular level	8' / 2 mm

Laser Plummet

Laser accuracy	±1.5 mm @1.5 m
Wavelength	630 - 670nm
Safety	Class 2
Output power	≤1.0mW

Data Management

Memory	100,000 points
Bluetooth	Support

Software Menu Style

Text-based	Support

Battery

Voltage	DC 7.4 V
Capacity	3100 mAh
Alert	■ Low voltage ■ Power off automatically after 5 minutes
Working time	8hours
Charge time	2.5 hours

Physical Specification

Dimension	200mmX190mmX330mm
Screen	■ Alphanumeric Keyboard ■ Key x 24(per side) ■ Dual Black & White screens (160*96 dpi) ■ Graphic LCD (6 lines)
Weight	5.5kg
USB	Support
Water/dust proof	IP55
Working temperature	−20℃- +60℃
Storage temperature	−30℃- +70℃
Prism constant range	Manual Input, Auto Correction
Atmos correction PPM	Manual Input, Auto Correction
Certificate	CE, FCC

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