

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.



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 $\pm 4'$, 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	<ul style="list-style-type: none">Prism: 5000 mReflector: 1000 mNon-Prism: 1000 m
Accuracy	<ul style="list-style-type: none">Prism: $\pm (2 \text{ mm} + 2 \text{ ppm} \cdot D)$Reflector: $\pm (2 \text{ mm} + 2 \text{ ppm} \cdot D)$Non-Prism: $3 \text{ mm} + 2 \text{ ppm} \cdot D$

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	$\pm 4'$
Compensator resolution	1"

Measurement Time	
Tracking/rapid/fine	<ul style="list-style-type: none">Prism: fine: 0.3 seconds tracking: 0.1 secondsNon-prism: 0.3~3 seconds

Level Vial Sensitivity	
Plate level	30" / 2 mm
Circular level	8' / 2 mm

Laser Plummet	
Laser accuracy	$\pm 1.5 \text{ mm} @ 1.5 \text{ m}$
Wavelength	630~670nm
Safety	Class 2
Output power	$\leq 1.0 \text{ mW}$

Data Management	
Memory	100,000 points
Bluetooth	Support

Software Menu Style	
Text-based	Support

Battery	
Voltage	DC 7.4 V
Capacity	3100 mAh
Alert	<ul style="list-style-type: none">Low voltagePower off automatically after 5 minutes
Working time	8hours
Charge time	1.5 hours

Physical Specification	
Dimension	200mmX190mmX330mm
Screen	<ul style="list-style-type: none">Alphanumeric KeyboardKey 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°C- +60°C
Storage temperature	-30°C- +70°C
Prism constant range	Manual Input, Auto Correction
Atmos correction PPM	Manual Input, Auto Correction