

# 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

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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"> <li>■ Prism: 5000 m</li> <li>■ Reflector: 1000 m</li> <li>■ Non-Prism: 1000 m</li> </ul>
Accuracy	<ul style="list-style-type: none"> <li>■ Prism: ± (2 mm + 2 ppm • D)</li> <li>■ Reflector: ± (2 mm + 2 ppm • D)</li> <li>■ Non-Prism: 3 mm + 2 ppm • D</li> </ul>

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	<ul style="list-style-type: none"> <li>■ Prism: fine: 0.3 seconds tracking: 0.1 seconds</li> <li>■ Non-prism:0.3~3 seconds</li> </ul>

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	<ul style="list-style-type: none"> <li>■ Low voltage</li> <li>■ Power off automatically after 5 minutes</li> </ul>
Working time	8hours
Charge time	2.5 hours

Physical Specification	
Dimension	200mmX190mmX330mm
Screen	<ul style="list-style-type: none"> <li>■ Alphanumeric Keyboard</li> <li>■ Key x 24 (per side)</li> <li>■ Dual Black &amp; White screens (160*96 dpi)</li> <li>■ Graphic LCD (6 lines)</li> </ul>
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