



# ET2A

## Theodolite

ET2A is a high precision electronic theodolite. This device has 2" angle measurement accuracy and 30x magnification effect to meet various working requirements.

- 30x Telescope Magnification
- 2" Angle measurement accuracy
- Compensator up to 3'
- Two sides LCD display

# Product Specification

<b>Angle Measurement</b>	
Measuring Method	Absolute encoder
Diameter	79mm
Min. Reading	1", 5", 10"
Measuring Unit	360°, 400gon
Vertical Angle 0°	Zenith 0°, Horizontal 0°
Accuracy	2"

<b>Telescope</b>	
Image	Erect
Magnification	30x
Effective Aperture	47mm
Resolving power	3.75"
Field of View	1°30"(26mm/1000m)
Min. Focus	1.5 m
Stadia Ratio	100
Tube Length	169mm

<b>Compensator</b>	
Electronic Tilt Sensor	Vertical compensation
Compensator Range	±3'
Resolving Power	6"

<b>Vial</b>	
Plate Vial	30"/2mm

Circular Vial	8' /2mm
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<b>Display</b>	
Type	Two sides LCD

<b>Onboard battery</b>	
Power Resource	Rechargeable Li-on battery
Voltage	DC 7.4 V
Operation Time	BDC 1600 mAh (About 20 hours)

<b>Laser</b>	
Length of the Wave	635 nm
Power	10 mW
Effective Range	250 m
Position Error	≤5"
Voltage	DC 3.3 V
Working Temperature	- 10° ~ + 45°

<b>Others</b>	
Storage Temperature	- 10° ~ + 45°
Dimension	180 x 166 x 355 m
Weight	5 Kg

