



E3

Total Station

E3 is a high-precision total station, providing customers with accurate angle and distance measurement. Built-in with common used measurement formulas. The fast, accurate and stable measurement definitely brings you with new experience.

- 2" Angle Measurement
- 30x Telescope Magnification
- Up to 800m Without Prism
- Compensator Range $\pm 3'$
- Fast and Reliable Measurement

Product Specification

Angle Measurement		Plate Level	30" / 2 mm
Reading System	Absolute encoder	Circular Level	8' / 2 mm
Display Resolution	1" / 5" / 10"		
Accuracy	2"		
Telescope		Lase Plummet	
Magnification	30x	Laser Accuracy	±1 mm/0.8 ~ 1.5 m
Field Angle	1°30'	Laser Spot	≤2 mm/0.8 ~ 1.5 m
Minimum Focus	1 m	Wavelength	635nm
Object Aperture	50 mm	Safety	Class 3
Image	Erect	Output Power	0.7 ~ 1.0 nW
Resolution	3"		
Compensator		Data Management	
Compensator Type	Dual axis	Memory	50,000 Points
Compensator Range	±3'	USB Drive	Support
Compensator Resolution	1"	Bluetooth	Support
Distance Measuring Range		Battery	
Minimum Reading	0.0001 m	Voltage	DC 7.4 V
Single Prism Range	5000 m	Capacity	2600mAh
Reflector Range	1200 m	Alert	Low voltage alert power off automatically after 10 min
Non-Prism Range	800 m	Working Time	12 hours angle and distance 16 hours angle
		Charge Time	4 hours
Distance Measuring Accuracy		Physical Specification	
Prism Accuracy	± (2 mm + 2 ppm • D)	Dimension	170 x 190 x 345 mm
Reflector Accuracy	± (3 mm + 2 ppm • D)	Screen	Dual screens 30 x Key
Non-Prism Accuracy	± (3 mm + 2 ppm • D)	Fast Measure Key	Support
Measurement Time		Interface	RS-232C
Tracking/Rapid/Fine	0.2 s / 0.6 s / 1 s	Water/Dust Proof	IP55
Level Vial Sensitivity		Working Temperature	-20 °C - +50 °C
		Storage Temperature	-40 °C - +70 °C

