



Overview:

The Electronic Theodolite is a precision surveying instrument used for accurate measurement of horizontal and vertical angles in construction, engineering, and surveying applications. It features an electronic angle measurement system, high-quality optics with 30x magnification, and a dual-side illuminated display for convenient operation in field conditions. The instrument is designed with a rugged body and IP66 protection, ensuring reliable performance in harsh outdoor environments.

Technical Specifications

Parameter	Specification
Telescope Length	156 mm
Image	Erect
Objective Lens Aperture	45 mm
Magnification	30 ×
Field of View	1°30'
Resolving Power	3"
Shortest Sighting Distance	1.2 m
Stadia Ratio	100
Stadia Constant	0
Angle Measurement Method	Absolute Type Encoder
Detecting System	Horizontal: Double / Vertical: Single
Minimum Reading	1"
Angle Measurement Accuracy	2"
Display Panel	Dual Side LCD
Display Size	3 inches

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



Export Sales: +91-9829132777
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Parameter	Specification
Display Lines	4 Lines
Backlight	Yes
Display Units	GON / V% / MIL / DMS
Tilt Sensor Compensation	Automatic
Compensator Range	±3'
Compensation Setting Accuracy	1"
Laser Plummet Class	Class 2
Laser Dot Accuracy	≤ 1.5 mm
Laser Accuracy Range	Up to 1.5 m
Tribrach (Base)	Detachable
Battery Type	Rechargeable Ni-H 4.8V & 4 × AA Alkaline
Working Time	Approx. 55 hours
Sensitivity of Long Vial	30" / 2 mm
Sensitivity of Circular Bubble	8' / 2 mm
Instrument Dimensions	164 × 154 × 340 mm
Net Weight	Approx. 4.5 kg
Operating Temperature	-20 °C to +60 °C
Storage / Environmental Condition	Up to 90% Non-Condensing Humidity
Dust & Water Protection	IP66

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