

High Quality, High Return!

- Construction and Survey Application Software
- Fast & Accurate & Powerful Measuring Distance Feature
- 500m Long Range Reflectoress Measurement
- Rugged & Waterproof Design
- Reliable Large Volume Internal Memory



Fast and Powerful Reflectorless EDM

- Fast and accurate pinpointing with phase shift technology.
- Fast distance measurement of 0.9s regardless of object.
- Minimum reflectorless measuring distance - just 30cm.
- Improved collimation with super-bright pointer.

- Smaller EDM beam spot size for minimal distance measuring error.
- Dependable measuring even at shallow incidence angles.
- Ensures accurate reflective sheet distance measurement.

SPECIFICATIONS

Telescope	
Magnification / Resolving power	30x / 2.5"
Others	Length : 171mm (6.7in.), Objective aperture : 45mm (1.8in.) (48mm (1.9in.) for EDM), Image: Erect, Field of view: 1°30' (26m/1,000m), Minimum focus: 1.3m (4.3ft.) Reticle illumination: 5 brightness levels
Angle measurement	
Minimum Display	1"/5" (0.0002 / 0.001gon, 0.005 / 0.02mil)
Accuracy (ISO 17123-3:2001)	2"
Dual-axis compensator /	Dual-axis liquid tilt sensor, working range: ±6'
Collimation compensation	On/Off (selectable)
Distance measurement	
Laser output	Reflectorless mode : Class 3R / Prism/sheet mode : Class 1
Minimum Display	Fine / Coarse : 0.0001m (0.001ft. / 1/8 in.) / 0.001m (0.005ft. / 1/8 in.) (selectable) Coarse : 0.001m (0.005ft. / 1/8 in.) / 0.01m (0.02ft. / 1 in.) (selectable) Tracking / Road : 0.01m (0.02ft. / 1 in.)
OS, Interface and Data management	
Operating system	Linux
Display / Keyboard	Graphic LCD, 192 x 80 dots, backlight : on/off (Selectable) / Alphanumeric keyboard / 28 keys with backlight
Control panel location	On both faces
Interface	Serial RS-232C, USB2.0 (Type A for USB flash memory)
General	
Laser-pointer	Coaxial red laser using EDM beam
Dust and water protection / Operating temperature	IP66 (IEC 60529:2001) / -20 to +60°C (-4 to +140°F)
Size with handle	183(W)x 181(D)x 348(H)mm (On both faces)
Instrument height	192.5mm from tribrach mounting surface
Weight with battery & tribrach	Approx. 5.1kg (11.3lb)
Power supply	
Battery	Li-ion rechargeable battery BDC46C
Operating time (20°C)	Approx. 14hours
Application program	
On board	•REM Measurement •3D Coordinate Measurement •Resection •Stake Out •Topography Observation •Offset Measurement •Missing Line Measurement •Surface Area Calculation •Route Surveying •Point to Line

