

MAPSTAR® TRUANGLE® II

▶ MapStar TruAngle II OVERVIEW

The MapStar TruAngle II third generation of encoders that precisely calculates a turned horizontal angle, which can be referenced to any desired point or direction. Integrate with any TruPulse® laser with wireless communication to capture X, Y and Z coordinates for complete 3D mapping. The perfect tool because it is unaffected by local magnetic interference.



HOW THE TRUANGLE II MEASURES UP

Our next generation MapStar TruAngle II continues to bring accurate horizontal angles measurements with another level in performance, durability, communications, along with an intuitive user experience.

We've listened to customer feedback and eliminated costly, redundant displays, provided app-driven configuration capabilities, visual out-of-level warnings and a rechargeable battery that can be replaced in the field.

KEY BENEFITS ▶

The MapStar TruAngle II with laser integration system presents expanded functionality for the professional field user.

- ▶ Intuitive 3-button interface improves operational efficiency in the field
- ▶ Provides professionals the needed horizontal accuracy unaffected by magnetic interferences
- ▶ Mounts easily on different set-ups:
 - Integrate in a split GPS Pole
 - Survey tripod mounting options
- ▶ Allows you to pivot the laser rangefinder a full tilt $\pm 90^\circ$ while maintaining the rotary encoder level
- ▶ Withstands harsh conditions with rugged, weather proof IP56 rating. Holds up to everyday uses with an aluminum machined housing with rubber bumper for added protection
- ▶ Maintains horizontal angle accuracy by using the Level Aid Alert with LED indicators. LEDs indicate when the unit is level or over the level limit

PROFESSIONAL MEASUREMENT

PRIMARY APPLICATIONS

- Forestry: Installation/reclamation of logging roads and culverts, stream surveys
- Span, Sag and Tension, Site Inspection, Material Estimation
- Utilities: Water, Gas, & Pipeline; Asset & facility mapping, verify property and ROW dimensions
- LaserGIS Mapping; High-Accuracy Laser Offset
- Mining: Geological mapping, Material Estimation, New Crest and Toe

PRODUCT SPECIFICATIONS

Horizontal Angle Accuracy	$\pm 0.1^\circ$
Horizontal Angle Range	0° to 359.99°
Horizontal Angle Resolution	0.01°
Tilt Accuracy	Maintains $\pm 0.3^\circ$ RMS accuracy up to 10° tilt* <small>*Nominal Calibration Angle Tolerance is 95% level of confidence under normal test conditions at a temperature of 23° C and Barometric Pressure of 101kPa</small>
Wireless Connectivity	BLE: Android & iOS compatible ¹²
Temperature Range	-20° to $+50^\circ$ C (-4° to $+122^\circ$ F)
Battery Pack	Li-ion Rechargeable, Replaceable/Removable; 12hrs Continuous Use
Environmental	Weather proof IP56 rating
Mount	5/8" threads: Top Male, Bottom Female
Leveling	Level Aid utilizing Ultra bright LEDs (bubble level) to indicate when the unit is level or over the level limit.
Size	Total Height: 240.3 mm (9.46 in) Mounted Height: 225.0 mm (8.86 in) Width / Diameter: 114.3 mm (4.5)
Weight	1,270 g (2.8 lbs)

***Specifications subject to change without notice**

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