

MAPSTAR® TRUANGLE®

PRECISELY MEASURES HORIZONTAL ANGLES

Affordable Alternative for 3-D Positioning

Life isn't lived in two dimensions or in a magnetic-free environment, which is why LTI offers an instrument that calculates turned, horizontal angles. The TruAngle works seamlessly with all LTI laser rangefinders for single-shot 3-D positioning by creating X, Y and Z coordinates. The serial output format is compatible with most GIS field data collection software and GPS/GNNS products.

Key Features:

- Integrates with LTI lasers to generate 3-D measurements
- Operates with a simple two-button interface
- Permits easy viewing of all your measurements on the custom back-lit LCD display
- Offers dual serial ports for communication in from the laser and out to data collectors
- Get precise with your aim and stabilize your measurements with the fine adjust wheel and friction lock



Bluetooth® Loop* Function

The MapStar TruAngle now has a Bluetooth® Encoder Loop feature that syncs with selected LTI TruPulse® Bluetooth lasers. It eliminates a cable by adding the horizontal angle measurement to the laser's data string.

Level Assist

Mount the MapStar TruAngle on a TriBrach for quick, easy and precise level adjustments.



Laser Compatibility

The MapStar TruAngle is compatible with all LTI TruPulse laser models and TruSpeed® Sxb



*Bluetooth Loop is only available in TruAngle units with firmware V1.17 or newer and only compatible with LTI's TruPulse 200X and TruSpeed Sxb laser models.

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Specifications

MapStar TruAngle

Size	14.2 x 11.7 x 11.7 cm (5.6 x 4.6 x 4.6 in)
Weight	1.0 kg (2.25 lb)
Sensor Type	Encoder; unaffected by local magnetic interference
Angle/Accuracy When Staff Mounted	± 0.1 deg
Angle/Accuracy When Tripod Mounted	± 0.05 deg
Data Resolution	0.01 deg
Data Range	0 to 359.99 deg
Data Output	RS232, NMEA
Temperature Range	-30 to +50° C (-22 to +122° F)
Power Supply/Usage Consumption	(2) AA (up to 8 hours of use) or CRV3 (up to 12 hours of use)
Construction	Fiberglass-filled polycarbonate
Environmental	IP54, NEMA 3
Fine Adjust Wheel Ratio	66:1
Communication	RS232 Serial, BLF*
Tripod Mount	5/8" threaded insert Adapters available: 5/8 x 11 to 1/4 x 20 F insert 5/8 x 11 to 3/8 x 16 F insert

Includes:

- TruAngle Unit
- Applicable Mounting Brackets
- Laser Data Cable
- Download Cable
- Operator's Manual
- 2 AA Batteries
- Shipping Box and Foam



Optional Accessories:

-  GPS Antenna Bracket
#7024911
-  TriBrach Adaptor
#3004670
-  TriBrach
#3003255

