

## AFFORDABLE ALTERNATIVES FOR 3D POSITIONING.




Life isn't lived in two dimensions, which is why we offer a line of horizontal angle and azimuth measurement accessories. They work seamlessly with all LTI laser rangefinders to allow for single-shot 3D positioning by creating X, Y and Z coordinates. The serial output format is compatible with most field data collection software and GPS products. Add even more depth to your data with this line of lightweight and portable systems.

## KEY FEATURES:

- Integrates with all LTI lasers to generate 3D measurements
- Permits easy viewing of all your measurements on the custom backlit LCD display
- Offers dual serial ports for communication in from the laser and out to data collectors
- Indicates battery life at all times
- Allows you to easily calibrate sensors with on-board routines
- Includes a download and laser cable (no matter which MapStar system you choose)



## HARDWARE SPECIFICATIONS

SPECIFIC USES/FUNCTIONS	COMPASS MODULE II 	ANGLE ENCODER 	TRUANGLE 
Affordability	\$\$	\$\$\$	\$
Size	31 x 5 x 2.5 cm (12 x 2 x 1 in)	11 x 10 x 6.5 cm (4.3 x 3.9 x 10 in)	14.2 x 11.7 x 11.7 cm (5.6 x 4.6 x 4.6 in)
Weight	570 g (1.25 lb)	1.6 kg (3.42 lb)	1.0 kg (2.25 lb)
Sensor Type	Magneto-Resistive Compass	Optical Rotary Encoder	Optical Rotary Encoder
Angle/Compass Accuracy When Staff Mounted	± 0.3 deg	± 0.1 deg	± 0.1 deg
Angle/Compass Accuracy When Tripod Mounted	± 0.3 deg	± 0.05 deg	± 0.05 deg
Data Resolution	0.01 deg	0.01 deg	0.01 deg
Data Range	0 to 359.99 deg	0 to 359.99 deg	0 to 359.99 deg
Data Output	RS232, NMEA	RS232, NMEA	RS232, NMEA
Temperature Range	-30° to +50° C (-22° to +122° F)	-30° to +50° C (-22° to +122° F)	-30° to +50° C (-22° to +122° F)
Power Supply/Usage Consumption	(2) AA (Up to 8 hours of use)	(2) C (Up to 7 hours of use)	(2) AA (Up to 8 hours of use) Or CRV3 (Up to 12 hours of use)
Construction	Aluminum	Aluminum and polycarbonate	Fiberglass-filled polycarbonate
Environmental	IP 67, NEMA 6	IP 54, NEMA 3	IP 54, NEMA 3
Audio Feedback	Yes	Yes	No
Susceptible to Magnetic Interference	Yes	No	No
Requires a One-time Reference Shot	No	Yes	Yes
Calculates Missing Line Data	Yes	Yes	No
Built-in Friction Lock Mechanism	No	Yes	Yes
Leveling	Electronic bubble level	Electronic bubble level	Mechanical bubble level
Carrying Case Included	No	Yes	No
Optional GPS Antenna Brackets	Yes	Yes	No
Permits Parameter Adjustment Through Serial Port	Yes	Yes	No