



MAG X GEO

NEXT-LEVEL LOCATING



REVOLUTIONARY DATA RECORDING

- » GPS Tracking including Elevation
- » Automatically Record Rod-by-Rod Metrics (Roll, Pitch, Temperature, and Depth)
- » Seamlessly Integrate Utility Crossing Information

POWERFUL REPORTING TOOLS

- » Add Utility Crossings with Utility Type, GPS, and Depth
- » Real-time project monitoring

ENHANCED USER INTERFACE

- » Seamless Navigation with 7" Android Touchscreen
- » On-the-Fly Viewing Options:
 - Overhead Aerial View (Google Maps)
 - Side Profile Chart
 - Data Table View

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Underground Magnetics
simple. powerful. affordable.

MAG X GEO SPECIFICATIONS

Receiver

System	Mag X GEO
System Frequency	16 Frequencies, ,325kHz - 41kHz
GPS	Integrated GPS + RTK
Data-log	Built-in GPS Data Logging on Receiver
Compatible Transmitter	Echo X-Mini / Echo 50 / Echo 50XF / Echo 60 / Echo 75XF / Echo 70 / Echo 90 / Echo 110
Temperature Range	-20°C to 60°C (-4°F to 140°F)
Radio Frequency	433 MHz
Telemetry	4 Radio Channels with range up to 6,000 ft (1800m)
Power	Rechargeable Lithium battery 12.5V
Battery Life	Up to 50 hours
Waterproof	IP65

Recommend Yagi Antenna for Extended Telemetry Range

Housing Suitability Check

For Echo 50XF / Echo 70 / Echo 75XF / Echo 90 / Echo 110

V. ANT (Transmitter Antenna Voltage)	P. ANT (Transmitter Antenna Voltage)
Normal Range	95% - 105%
	Low Power Mode 120mW - 150mW
	Normal Power Mode 300mW - 500mW
	High Power Mode 1200mW - 2000mW

Note: Place the transmitter inside the housing for Suitability Check

Display

Display	7-inch Color Touch Screen Android Operating System
GPS	External GPS Antenna
Temperature Range	-20°C to 60°C (-4°F to 140°F)
Radio Frequency	433 MHz
Telemetry	4 Radio Channels with range up to 1800m (6,000 ft)
Power	Rechargeable Lithium battery 12.5V
Battery Life	Up to 50 hours
Waterproof	IP65



Transmitter	Echo X-Mini	Echo 50XF
Frequency	2 Frequencies, 19kHz, 30kHz	16 Frequencies, ,325kHz - 41kHz
Battery Type	18650 x 1 Rechargeable Lithium Battery	21700 x 1 Rechargeable Lithium Battery 261020 x 1 Lithium Battery (Super Cell)
Battery Life	18650 (3.7v): 18 Hours - Normal Mode	21700 (4.2v): 50 Hours - Normal Mode 12 Hours - High Power Mode 261020 (3.7v): 60 Hours - Normal Mode 15 Hours - High Power Mode
Depth & Data Range	18m (60 ft) - Normal Mode	40m (131 ft) - Normal Mode 50m (164 ft) - High Power Mode
Dimensions	2.5 cm x 20 cm (8 in x 1 in)	3.2 cm x 38 cm (15 in x 1.25 in)

Echo 75XF NEW!
16 Frequencies, ,325kHz - 41kHz
26650 x 2 Rechargeable Lithium Battery
26650 x 2: 100 Hours - Low Power Mode 60 Hours - Medium Power Mode 11 Hours - High Power Mode
35m (114 ft) - Low Power Mode 55m (180 ft) - Medium Power Mode 85m (278 ft) - High Power Mode
3.2 cm x 48 cm (19 in x 1.25 in)

Transmitter	Echo 70	Echo 90	Echo 110
Frequency	12 Frequencies, 4kHz - 41kHz	12 Frequencies, 4kHz - 41kHz	12 Frequencies, 4kHz - 41kHz
Battery Type	18650 x 3 Rechargeable Lithium Battery	18650 B2 x 2 Rechargeable Lithium Battery	18650 B2 x 3 Rechargeable Lithium Battery
Battery Life	18650 (3.7v): 60 Hours - Normal Mode 15 Hours - High Power Mode	18650 B2 (3.7v): 80 Hours - Normal Mode 20 Hours - High Power Mode	18650 B2 (3.7v): 120 Hours - Normal Mode 30 Hours - High Power Mode
Depth & Data Range	50m (164 ft) - Normal Mode 70m (230 ft) - High Power Mode	70m (230 ft) - Normal Mode 90m (295 ft) - High Power Mode	90m (295 ft) - Normal Mode 110m (361 ft) - High Power Mode
Dimensions	3.6 cm x 40.5 cm (15.9 in x 1.42 in)	3.6 cm x 45.5 cm (18 in x 1.42 in)	24" long x 1.42" diameter

Note: All data range and battery life are under standard test conditions when used with standard equipment & Accessories.



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