

MAG X GEO



PRECISION GPS DATA LOGGING

- » GPS Tracking including Elevation
- » Automatically Record Rod-by-Rod Metrics
- » One-Touch Logging Integrated into the Receiver



ON-THE-FLY FUNCTIONALITY

- » Views: Overhead Aerial, Side Profile Chart, Rod Table
- » Tools: Bore-To Steering, GPS Dropline, Pitch Guide
- » Logging: Rod Pitch, Roll, Temp, Depth, and GPS



REPORTING REDEFINED

- » Add Utility Crossings with Type, GPS, and Depth
- » Generate, Share, and Sync Reports from Receiver
- » Real-time Project Monitoring



MAG X GEO SPECIFICATIONS

Receiver

System	Mag X GEO
System Frequency	16 Frequencies, .325kHz - 41kHz
GPS	Integrated GPS + RTK
Data-log	Built-in Data Logging
Compatible Transmitter	Echo X-Mini / Echo 50 / Echo 50XF / Echo 60 / Echo 75XF / Echo 70 / Echo 90 / Echo 110
Temperature Range	-4°F to 140°F (-20°C to 60°C)
Communication	RF 915 MHz or Cellular
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 Connection
Temperature Range	-4°F to 140°F (-20°C to 60°C)
Communication	RF 915 MHz or Cellular
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



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	60 ft (18m) - Normal Mode	131 ft (40m) - Normal Mode 164 ft (50m) - High Power Mode
Dimensions	8" long x 1" diameter	15" long x 1.25" diameter

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
114 ft (35m) - Low Power Mode 180 ft (55m) - Medium Power Mode 278 ft (85m) - High Power Mode
19" long x 1.25" diameter

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	164 ft (50m) - Normal Mode 230 ft (70m) - High Power Mode	230 ft (70m) - Normal Mode 295 ft (90m) - High Power Mode	295 ft (90m) - Normal Mode 361 ft (110m) - High Power Mode
Dimensions	15.9" long x 1.42" diameter	18" long x 1.42" diameter	24" long x 1.42" diameter

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