



HDD LOCATING SYSTEMS

SIMPLE POWERFUL AFFORDABLE

- **NEW! SOLID CORE 3D ANTENNA CLUSTER**
 - » Extended Range for the Sub-kHz Frequencies
- **ECHO 75XF 19" TRANSMITTER**
Three Power Levels
 - » Low: 114 Feet / 100 Hours
 - » Medium: 180 Feet / 60 Hours
 - » High: 278 Feet / 11 Hours
- **BUILT-IN DATA LOGGING**
 - » Simplified one-touch logging integrated into the remote drill display
 - » Rodwise and chart views with the ability to edit and add utility crossings
 - » Easily emailed directly from the display and synced to the UMmaps web portal

MAG X PRO

The Mag X Pro is our most powerful HDD Locating System to date. Paired with the New Echo 75XF and even the toughest jobs will be done with ease.



Underground Magnetics

simple. powerful. affordable.

UMAGHDD.COM | 515.505.0960

Mag X PRO

Specifications

DRILL WITH EASE

Receiver

System	Mag X PRO
System Frequency	16 Frequencies, .325kHz - 41kHz
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)
Radio Frequency	915 MHz
Telemetry	4 Radio Channels with range up to 3,000 ft. (900m)
Power	Rechargeable Lithium battery 12.5V
Accuracy	±5%
Battery Life	Up to 50 hours
Dimensions	29" x 9" x 13" (73.5 cm x 23 cm x 33 cm)
Weight	8.5 lbs. (3.85 kg)
Waterproof	IP65

Display

Display	7-inch Color Touch Screen Android Operating System
Data-log	Built-in
Temperature Range	-4 °F to 140 °F (-20 °C to 60 °C)
Radio Frequency	915 MHz
Telemetry	4 Radio Channels with range up to 3,000 ft. (900m)
Power	Rechargeable Lithium battery 12.5V
Battery Life	Up to 50 hours
Dimensions	7.5" x 5.1" x 7.5" (19 cm x 13 cm x 19 cm)
Weight	3.3 lbs. (1.5 kg)
Waterproof	IP65

Transmitter

Echo X-Mini

Frequency	2 Frequencies, 19kHz, 30kHz
Battery Type	18650 x 1 Rechargeable Lithium Battery
Battery Life	18650 (3.7v): 18 Hours - Normal Mode
Depth & Data Range	60 Ft. (18m) - Normal Mode
Dimensions	8" long x 1" diameter

Echo 50XF

Frequency	16 Frequencies, .325kHz - 41kHz
Battery Type	21700 x 1 Rechargeable Lithium Battery 261020 x 1 Lithium Battery (Super Cell)
Battery Life	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	131 Ft. (40m) - Normal Mode 164 Ft. (50m) - High Power Mode
Dimensions	15" long x 1.25" diameter

Echo 75XF **NEW!**

Frequency	16 Frequencies, .325kHz - 41kHz
Battery Type	26650 x 2 Rechargeable Lithium Battery
Battery Life	26650 x 2: 100 Hours - Low Power Mode 60 Hours - Medium Power Mode 11 Hours - High Power Mode
Depth & Data Range	114 Ft. (35m) - Low Power Mode 180 Ft. (55m) - Medium Power Mode 278 Ft. (85m) - High Power Mode
Dimensions	19" long x 1.25" diameter

Transmitter

Echo 70

Frequency	12 Frequencies, 4kHz - 41kHz
Battery Type	18650 x 3 Rechargeable Lithium Battery
Battery Life	18650 (3.7v): 60 Hours - Normal Mode 15 Hours - High Power Mode
Depth & Data Range	164 Ft. (50m) - Normal Mode 230 Ft. (70m) - High Power Mode
Dimensions	15.9" long x 1.42" diameter

Echo 90

Frequency	12 Frequencies, 4kHz - 41kHz
Battery Type	18650 B2 x 2 Rechargeable Lithium Battery
Battery Life	18650 B2 (3.7v): 80 Hours - Normal Mode 20 Hours - High Power Mode
Depth & Data Range	230 Ft. (70m) - Normal Mode 295 Ft. (90m) - High Power Mode
Dimensions	18" long x 1.42" diameter

Echo 110

Frequency	12 Frequencies, 4kHz - 41kHz
Battery Type	18650 B2 x 3 Rechargeable Lithium Battery
Battery Life	18650 B2 (3.7v): 120 Hours - Normal Mode 30 Hours - High Power Mode
Depth & Data Range	295 Ft. (90m) - Normal Mode 361 Ft. (110m) - High Power Mode
Dimensions	24" long x 1.42" diameter