



Underground Magnetics

Underground Magnetics is a US company with fresh ideas and designs backed by experience. The company is centered around a core team of three who, combined, have over 70 years experience with designing and producing locating systems and servicing the industry.

It's Time to Stand Up

Stronger against interference
Dual antenna system

High performance DSP

Receiver 1:
High precision, strong against interference,
Faraday shield, 3D antenna

Receiver 1: Antenna signal
conditioning module

Receiver 2: Antenna signal
conditioning module

Receiver 2: High precision, strong against
interference, Faraday shield, 3D antenna



Receiver: Mag 3

System frequency: 4kHz, 19kHz, 30kHz
Telemetry: 4 radio channels range 3,000 ft
Power: Rechargeable lithium battery 12.5V
Battery life: Up to 50 hours
Water resistant: IP65
Temperature: -4 F to 140 F
Dimensions: 27" x 5" x 12"
Weight: 6.5 Lbs
Compatible Transmitters:
Echo ST, Echo 1, Echo 1 19k, Echo 1 30k
Echo ST-Dx

Transmitter: Echo 1 19kHz or 30kHz

Frequency: 19kHz or 30kHz
Depth range: 130ft (at 19kHz or 30kHz)
Power: 2 C-cell batteries, Echo Cell Kit, or
lithium battery size 261020

- C-cell
 - 3V
 - Battery life: 12 hours
- Echo Cell Kit
 - 3V
 - Battery life: 20 hours
- Lithium battery size 261020
 - 3V
 - Battery life: 48 hours

Roll: 24 Transmitter roll positions
Pitch: 0.1% resolution
Maximum temperature: 190°F
Dimensions: 1.25" x 15"

Display: Mag D

Radio frequency: 915Mhz
Telemetry: 4 radio channels range 3,000 ft
Power: Lithium rechargeable batteries
Battery life: Up to 50 hours
Water resistant: IP65
Temperature: -4 F to 140 F
Dimensions: 7.5" x 5" x 7.5"
Weight: 3.3 Lbs
Display: Industrial rated LCD graphic display

Transmitter: Echo 1

Frequency: 4kHz, 19kHz, 30kHz
Depth range: 90ft / 130ft / 130ft
Power: 2 C-cell batteries, Echo Cell Kit, or
lithium battery size 261020

- C-cell
 - 3V
 - Battery life: 12 hours
- Echo Cell Kit
 - 3V
 - Battery life: 20 hours
- Lithium battery size 261020
 - 3V
 - Battery life: 48 hours

Roll: 24 Transmitter Roll Positions
Pitch: 0.1% resolution
Maximum temperature: Up to 190 F
Dimensions: 1.25" x 15"

