

Dunham & Morrow Magnetic Locator DML2000

In side-by-side comparison tests with other magnetic locators the DML2000 outperformed all the competition. The state-of-the-art, DML2000 Magnetic Locator packs all of its sophisticated electronics in an incredibly light 1.6-lb package. Experienced MAG users will appreciate the LOW battery indicator; no more wondering if the batteries are low and you're missing targets. The separate Power, Volume, and Sensitivity controls are also an improvement over other brands.

The DML2000 is designed for use in the most demanding environments at temperatures ranging from -20 F to +120 F with no degradation in performance. The instrument can be used in the heaviest of rain showers, while the sensors can be submersed in water up to 3 feet deep!

Using the DML2000 is the fastest, and easiest way to pinpoint buried survey markers, septic tanks, iron water and gas pipes, water valves, water meters and any other ferrous object buried under dirt, asphalt, water snow or ice.

Features & Specifications:

Unsurpassed performance, long-range sensitivity, 6 sensitivity settings separate power, volume and sensitivity controls, weighs only 1.6 lbs., All-weather operation, Up to 100 hours on 4-AA batteries, Low battery indicator, includes a padded hard storage case, instruction manual, and an extra set of batteries.

Includes: Lifetime manufacturers warranty, hard plastic case, instruction manual, a carrying strap, and an extra set of batteries.

Available with soft case or hard case.



Target	Depth
Iron Marker (3/4" x 18")	6 - 8 feet
Cast-Iron Pipe (4" Pipe)	4 - 5 feet
Manhole Cover	3 - 4 feet
Well Casing	8 - 10 feet
PK Nail (1 1/2")	6 - 10 inches
Iron Valve	4 - 5 feet
55 Gallon drum	5 - 6 feet
Septic Tank (Handles)	3 - 5 feet



LIFETIME WARRANTY

Dunham & Morrow Magnetic Locator DML2000-M

The DML2000-M Magnetic Locator has all of the standard features of the DML2000, plus an easily readable Liquid Crystal Display (LCD) panel meter. The DML2000-M with its 3 1/2 digit (0 to ± 1999) Digital Panel Meter, gives the operator a real time, true visual representation of the instrument's output frequency changes, it also provides the highest resolution display of any Magnetic Locator. The digital display provides an exact numeric readout with a separate polarity indicator that can be even more useful to the experienced professional.

When the panel meter peaks and the polarity changes, this normally indicates that you are directly over the end of that pipe section, typically a weld or a "Bell" joint. A polarity change that occurs when the meter readings are at a minimum means you are over the midpoint of that pipe section.



Dimensions: 42.5" Long x 3.75" Wide x 1.75" Deep, (108 cm L x 9.5 cm W x 4.4 cm D)

Waterproof Length: 36" (91.4 cm), base to tip of sensor tube

Weight: 1.8 lb. (0.8 Kg)

Operating Time: up to 40 hours

Power: Uses four AA alkaline batteries

Low Battery Indicator: Red, flashing LED

Temperature Range: -20°F to 120°F, (-29°C to 50°C)

Includes: Lifetime manufacturers warranty, hard plastic case, instruction manual, a carrying strap and an extra set of batteries.

Target	Depth
Iron Marker (3/4" x 18")	Up to 9 feet
Cast-Iron Pipe (4" Pipe)	Up to 10 feet
Manhole Cover	Up to 10 feet
Well Casing	Up to 18 feet
PK Nail (1.5")	Up to 12 inches
Iron Valve	Up to 10 feet
55 Gallon drum	Up to 10 feet
Septic Tank (Handles)	Up to 5 feet

LIFETIME WARRANTY

Mag Snake Septic Tank Locator

Introducing MAG SNAKE, which when used in conjunction with the DML2000 Magnetic locator allows you to locate any Septic Tank, including plastic tanks that are buried up to 12 feet deep. The revolutionary MAG SNAKE comes equipped with a magnetic header that allows you to trace underground pipe and locate any Septic Tank; concrete, steel or plastic.

The Mag Snake requires a DML2000 Magnetic Locator for proper operation. The DML2000 is sold separately.

“IF YOU CAN SNAKE IT WE CAN FIND IT”

As a general rule most locates can be performed with the sensitivity control set to position 4, however for deep tanks and particularly plastic tanks you may wish to increase the sensitivity setting and conversely for steel tanks or shallow tanks a lower sensitivity setting may be preferable.

The DML2000 Magnetic Locator was designed to pinpoint buried iron or steel pipe, survey markers, water valves, water meters, manhole covers, all steel septic tanks and most concrete septic tanks. But in some cases a septic tank can be elusive: that is when Mag Snake comes to the rescue. When Mag Snake is used along with a Dunham & Morrow DML2000 magnetic locator you can be certain that you will always find your septic tank.

Mag Snake consists of an extremely powerful permanent magnet welded to the end of 100 feet or more of stainless steel fish tape. Designed with ruggedness in mind the MS100/200 comes with a large molded handle and an easy to operate manual rewind mechanism. With Mag Snake you can trace any pipe up to 12' below ground level and find any septic tank steel, concrete or plastic. Just feed the Mag Snake header into the pipe and follow the header with your DML2000 magnetic locator as it progresses. As the header moves through the pipe there is a frequency peak in front of the header and another peak behind the header. The easiest way to trace the header is to follow the second peak and when the magnetic header tips over and drops into the tank this signal will increase dramatically, and then slowly decrease as the header descends.

To maximize your locating effort you should hold and slowly sweep the instrument back and forth as you walk along. Remember it is essential to make yourself magnetically clean. While using the DML2000 magnetic locator you should avoid wearing shoes with steel toe protectors or steel arch supports. In addition you should keep all vehicles and personnel carrying ferrous tools such as shovels or picks away from the search area.



Sea Pro – Submersible Gradiometer

Model DML2000-MS

The Sea Pro Submersible Magnetic Locator is the ideal instrument for locating buried ferrous targets. This instrument is specifically designed to help both professional deepwater divers and recreational scuba divers pinpoint underwater ferrous targets.

Operating the Sea Pro Magnetic Locator is as easy as rotating its three-position ON-OFF-ON power switch. Simply rotate the Power switch to activate the instrument and the automatic gain control system will take care of everything else. Automatically switching to the maximum gain setting when activated, Sea Pro continually evaluates conditions, readjusting the instrument's gain as required. There is no need to worry about the instrument battery level since a built-in Low Battery indicator begins flashing whenever the operator has only 1 to 2 hours of normal operation remaining. Typically, the Sea Pro will provide up to 33 hours of normal operation from one 9-volt Lithium battery.

Sea Pro uses four fluxgate magnetometers to detect the magnetic field of a target and then produces both an audio and a visual output signal proportional to the magnetic field intensity. The peaking of the Sea Pro output frequency normally indicates that you are over the top of a vertical dipole. Buried pipe appears like a string of horizontal dipoles

For buried pipe, the peaking of the Sea Pro output frequency normally indicates that you are over the end of that pipe section, i.e. the weld. When searching for horizontal pipelines, look for a polarity change on the digital panel meter. A polarity change that occurs when the output frequency is low means you are nominally over the midpoint of the pipe section. A polarity change when the output frequency is high typically indicates a pipe joint or weld.



Specifications

Overall Length:	45.5", Electronics housing: 9.5", Sensor tube: 36"
Diameter:	Electronics housing: 5"; with handle mounted: 9"
Weight:	8 lb. In air, <0.4 lb. submersed
Operating depth:	to 500 feet
Power requirements:	9 V Battery
Sensitivity Control:	Automatic
Instrument outputs:	
Visual	Meter \pm 1999 Full Scale
Audio	Bone conduction Headphone, Variable frequency audio output (0 to 3,500 hertz FS)
Operating Time:	33 Hours
Low Battery Indicator:	Flashing red LED
Power Control:	3-position rotary switch, On-Off-On
Warranty:	1 Year Limited Warranty