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# TECHNICAL DATA SHEET



DHI-1 DIVER HELD INTERROGATOR

## DHI-1 Diver Held Interrogator

The DHI-1 Interrogator transmits and receives acoustic signals to activate and then locate a previously deployed transponder. It can be operated as a diver-held unit, or with the optional connector and boat deployment kit, can be operated from a boat. The interrogator is tuned to the desired transponder frequency and the diver scans the area. As the interrogator sweeps the area it sends out a coded message. When the matching transponder receives the message it sends out a coded return signal to the interrogator. The return signal can be clearly heard in the earphone and a LED light bar flashes indicating the transponder has been detected. The interrogator shows the return signal's intensity and calculates the distance (in feet or meters) using the time delay between the transmit signal and the return signal. The compass shows the diver the direction to the transponder.

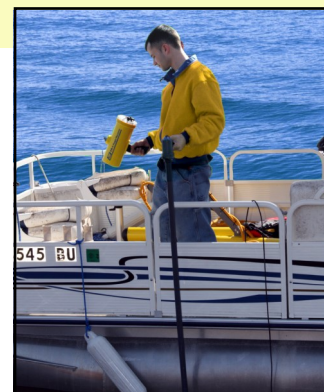
The DHI-1 Interrogator can locate up to 9 different transponders: 24, 25, 27, 28, 29, 30, 31, 32, or 33kHz (custom frequencies are available) and has a detection range of over 3,000 feet. The interrogator is powered by a NiCad battery pack that will operate for 12 continuous hours before needing recharging. Charger is included and operates from 120 vac. An optional 220 VAC to 120 VAC transformer is available. The DHI-1 is compatible with Fishers' MFT-1 Transponders as well as most transponders manufactured by other companies. Fishers DHI-1 Interrogator is ruggedly built and is covered by a 2 year unconditional warranty.



- TRIGGERS TRANSPONDERS
- DIGITAL READOUT SHOWS DISTANCE TO TRANSPONDER
- BUILT-IN COMPASS PROVIDES HEADING
- EARPHONE AND LIGHT BAR INDICATE SIGNAL STRENGTH
- 330 FOOT (100m) OPERATING DEPTH
- RECHARGEABLE BATTERIES
- DIVER-HELD OR BOAT DEPLOYED
- COMPATIBLE WITH OTHER MANUFACTURER'S TRANSPONDERS
- 2 YEAR WARRANTY



Boat Deployment Kit



### SPECIFICATIONS

#### PERFORMANCE/DESCRIPTIONS:

- Receive frequencies - 24, 25, 27, 28, 29, 30, 31, 32 of 33 kHz
- Transmit frequency - 26 kHz
- Power output - 180dB, 8w
- Pulse length - 5 ms
- Range - greater than 3,000 feet
- Pulse rate - 1 per second or 1 per 2 seconds
- Batteries - NiCad rechargeable with 12 hours of operating time per charge

#### DIMENSIONS/WEIGHTS:

- Size - 4.5" diameter, 12 inches long
- Weight - 7.4 lbs. (air) and slightly positive in water
- Optional Boat Deployment kit - 1.5" diameter, 7 feet long

#### MATERIALS/COLOR:

- High impact PVC / yellow

### OPTIONS

- Custom frequencies available
- Dual underwater earphones
- 220 VAC transformer for charger (Europe)
- Boat deployment kit
- Hard carry case
- 660' (200m) depth rated housing