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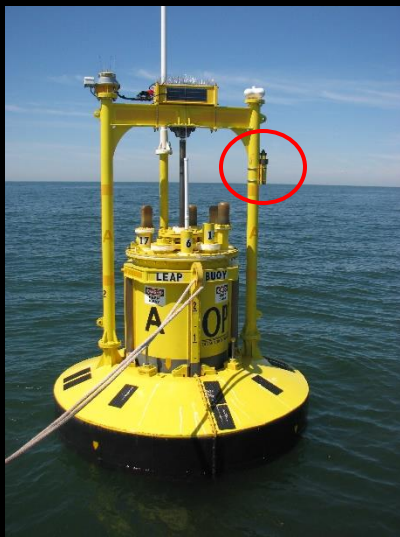
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Battery Compartment



Data Sheet

MFT-1

Multi Frequency Transponder



- **60 operator selectable frequencies**
- **Uses standard batteries**
- **Housings for extended operations**
(larger housings hold more batteries)
- **Manual turn-on or water activated**
- **1,000 foot operating depth**
- **Compatible with other manufactures units**

System information

- Frequency (receive) - 26 kHz.
- Frequency (transmit) - 20 kHz to 50 kHz in 500Hz steps
- Power output - 180db 8w
- Pulse length - 5ms.
- Range - greater than 3,000 feet
- Pulse rate (after lockout) -up to 4 per second
- Depth rating - 1,000 feet
- Batteries (alkaline or lithium) - two 9 volt batteries*

* Extended Operating Housing uses six 9 volt batteries.

* The Very Long Duration Housing uses 12 "D"cells batteries.

DIMENSIONS/WEIGHTS:

- Standard Operating Housing - 2.4"D x 9"L - 20oz. air
- Standard Operating Housing - 2.4"D x 9"L - neg. 1oz. water
- Extended Operating Housing - 2.4"D x 14"L - 34oz. air
- Extended Operating Housing - 2.4"D x 14"L - neg. 2oz. water
- Very Long Duration Housing - 4.5"D x 18"L - 8 lbs. air
- Very Long Duration Housing - 4.5"D x 18"L - neg. 1oz. water

Options

- Extended operating life (larger housings for extra batteries)
- Custom frequencies available
- Carry case (holds tow to four transponders)

Transponders are acoustic signaling devices used to mark an underwater site or piece of equipment so the exact position can be quickly relocated. When the transponder is deployed, it sits quietly waiting for a coded message from the interrogator. Once the transponder receives a signal the interrogator it begins transmitting. The transponder can be set to transmit one of sixty different operator selectable frequencies (20kHz to 50kHz in 500Hz steps) allowing many to be deployed in the same general area without interference from each other.

After activating the transponder to begin transmitting the interrogator is used to locate the transponder. The interrogator can either be carried by a diver or deployed from a boat. The operator sets the frequency of the interrogator to match the frequency being transmitted by the transponder (the frequency the operator selected before deploying it). The interrogator displays the distance to transponder in feet or meters, along with a compass heading, guiding the operator directly to it.

The transponder has a range of over 3,000 feet. It can be automatically activated when put in the water, or manually activated with a switch. The MFT-1 is compatible with JW's DHI-1 Interrogator as well as most interrogators manufactured by other companies.

Power for the transponder is supplied by two standard alkaline batteries which last for up to 4 months. Lithium batteries can also be used to double the operating time. Optional larger housings (more batteries) are available which significantly extend the operating life. The Extended Housing Option triples operating time, and the Very Long Duration Housing powers the transponder for years.