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Data Sheet

SFP-1 & MFP-1

Mid Frequency Pingers



SINGLE or MULTI-FREQUENCY PINGERS ARE AVAILABLE WITH ANY HOUSING

- Operator Adjustable Output Power, Pulse Width and Pulse Repetition Rate
- Manual Turn-On or Water Activated
- Different Frequencies Available
- Uses Standard Batteries
- Housings for Extended Operations
- 1,000ft. (~304m) Operating Depth
- 60 Operator Selectable Frequencies (MFP)

Specifications	SFP-1	MFP-1
Frequency	22, 26, 30 & 37.5 kHz	20 to 50 kHz
Power Output (adj)	.1, .5, 2 & 8w	.1, .5, 2 & 5w
Power Output (adj)	155 to 180 dB	155 to 177 dB
Pulse Length (adj)	1, 3, 5ms	2, 3 or 4ms
Pulse per sec (adj)	1/2, 1 or 2 seconds	1/2, 1 or 2 seconds
Batteries *	two 9 volt **	two 9 volt **

* Alkaline or Lithium batteries can be used

** Note Extended Operation Housing uses six 9 volt batteries

** Note Very Long Duration Housing uses twelve "D" cells

Options

- Larger housings (hold more batteries for longer operation)
- Different frequencies available for SFP-1 (specify at time of order)
- External 10' cable for a remote on/off switch
- Hard carrying case (hold four standard pingers, or two pingers and a PR-1 pinger receiver)

Dimensions / Weights

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

Acoustic pingers are devices that generate sonar signals underwater. They are used to mark an underwater site or piece of equipment so a returning diver, using a pinger receiver, can locate the exact spot. Pingers are available with different transmit frequencies so several can be deployed in the same general area without interference from each other. The diver adjusts his pinger receiver to the frequency of the desired pinger and the receiver leads him directly to it.

JW Fishers family of mid-frequency commercial grade pingers include both the Single Frequency Pinger (SFP-1) and the Multifrequency Pinger (MFP-1). The SFP-1 is available in several frequencies one of which is specified at time of order (22, 26, 30, or 37.5 kHz). The MFP-1 has user selectable frequencies from 20 to 50 kHz in 500 Hz increments. The operator selects one of 60 different frequencies before deploying the pinger. Many pingers can be deployed in the same general area, each broadcasting at a different frequency. A diver with a pinger receiver can pinpoint the exact location of each pinger without interference from the other pingers. Mid-frequency acoustic pingers have a range of several thousand feet.

Fishers pingers are very flexible allowing the operator to select the number of pulses per second, the length of each pulse, and the output power. The length of each pulse and output power adjustments allow the operator to adjust the distance the pingers can be detected. With the MFP-1 the transmission frequency can be selected by the operator before deployment. These features make the SFP-1 and the MFP-1 extremely versatile and the first choice for almost any application. Power for the pingers is supplied by standard alkaline batteries which last from a few days to many months, depending on output power and pulse selection. Optional larger housings (more batteries) are available which significantly extend the operating time. The Very Long Duration housing lets the pinger operate for years. The pinger can be automatically activated when put in the water, or manually activated with a jumper on the circuit board.

