

# MP-25 HYDROPHONE

## PRESSURE SENSITIVE DETECTOR

Higher Sensitivity and Greater Depth of Operation

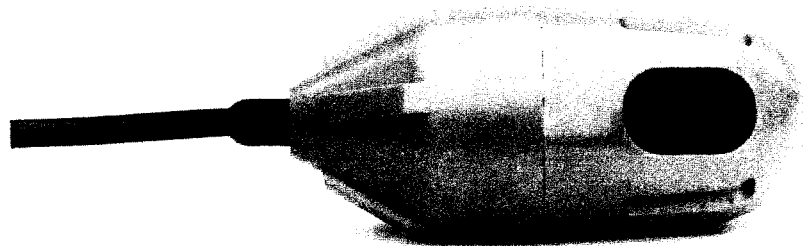
- High output
- Acceleration noise canceling configuration
- Easy method to check polarity
- Full one year warranty

The MP-25 is a high output, pressure sensitive detector for use in swamps, rivers, bays and transition zones.

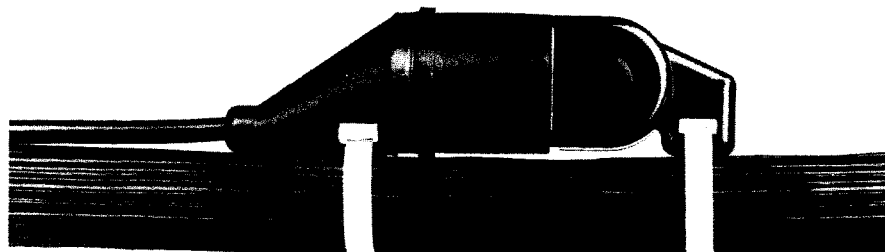
The MP-25 is transformer-coupled and has 8 piezoelectric crystals connected in an acceleration-canceling arrangement with each crystal operating in the high sensitivity bender mode. The crystals and transformer are permanently molded in a durable polyurethane case. This sealed unit has a thermoplastic resin outer case with easy access ports for polarity testing. The Sidewinder version does not have the outer case.

The MP-25 Sidewinder version is designed for easy mounting to bay cable and reduction of leader cable stress. Its tapered design positions the leader flush with the cable thereby greatly reducing the friction in this area as the hydrophone travels through the squirter.

Anchor slots have been provided for tie wrapping the hydrophone to the bay cable thus facilitating the process of taping the unit to the cable.



MP-25



MP-25 SIDEWINDER

### SPECIFICATIONS

	MP-25-250	MP-25-350	MP-25-656	MP-25-1200
* Natural Frequency $\pm$ 15%	10 Hz	10 Hz	10 Hz	10 Hz
Voltage Sensitivity $\pm$ 1.5 dB	14 Volts/Bar	10 Volts/Bar	8 Volts/Bar	7.3 Volts/Bar
Impedance	250 $\Omega$	250 $\Omega$	250 $\Omega$	909 $\Omega$
DC Resistance $\pm$ 10%	160 $\Omega$	160 $\Omega$	160 $\Omega$	44 $\Omega$
Operating Temp. Range	0-35° C	0-35° C	0-35° C	0-35° C
Operational Depth	1-250 ft (.30-76m)	1-350 ft (.30-107m)	1-656 ft (.30-200m)	1-1200 ft (.30-365m)
<b>Dimensions:</b>	<b>Without Outer case</b>	<b>With Outer Case</b>	<b>Sidewinder</b>	
Length:	4.75 in (12.07 cm)	5.50 in (13.97 cm)	6.60 in (16.76 cm)	
Diameter:	2.00 in (5.08 cm)	2.40 in (6.10 cm)	2.00 in (5.08 cm)	
Weight:	.52 lbs (236g)	.77 lbs (349 g)	.58 lbs (263g)	

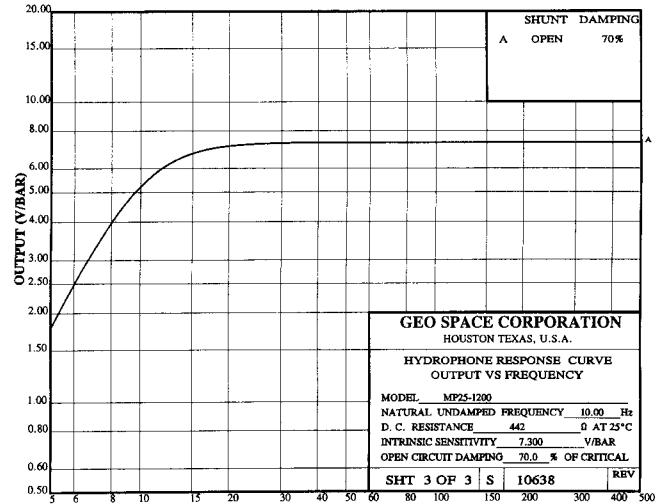
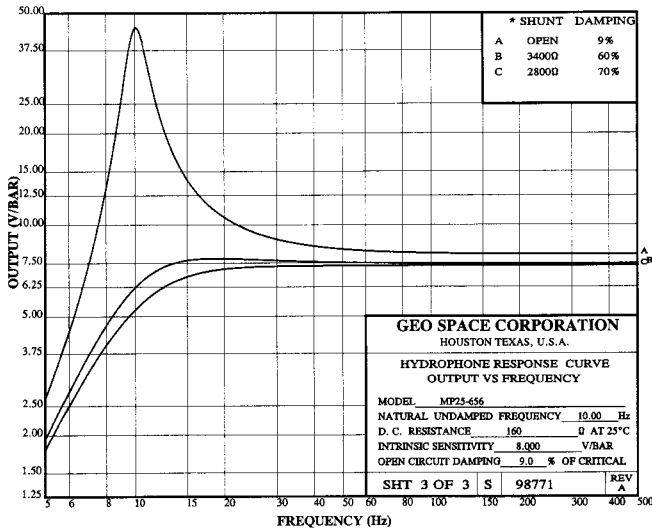
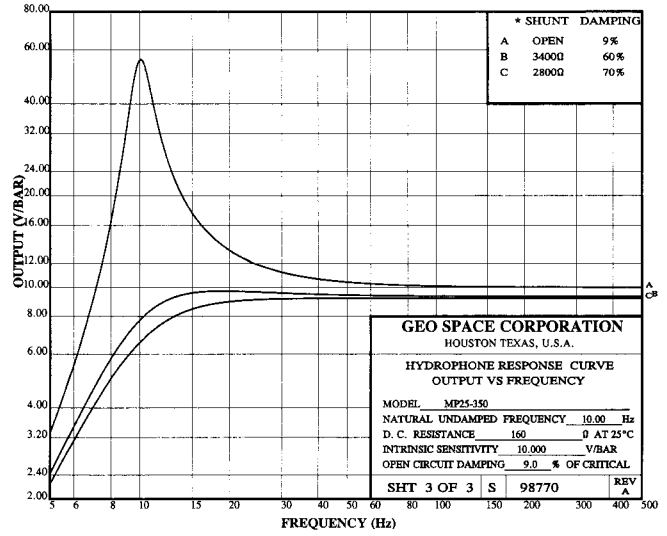
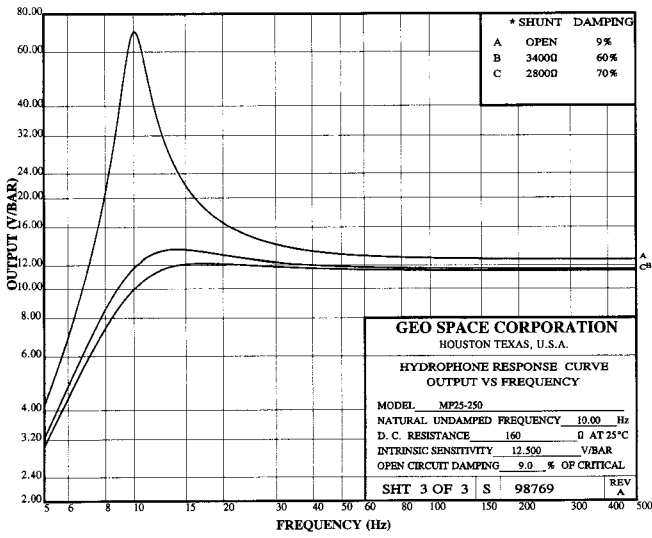
Standard Cable Sizes .275, .310, .400 in (.70, .79, 1.02 cm)

\* Other frequencies available



**Geo Space, LP**

# MP-25 Frequency Response Curves



\*Typical value; factory adjust for damping.

Specifications are subject to change without notice.



**Geo Space, LP**

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