



GeoSpectrum Technologies Inc.

Customizing Detection

M14-370

The M14-370 is a medium frequency omni-directional hydrophone designed for marine observation. It comes with a pre-amplified output of 0 to 35 dB (selectable on order) with current or voltage signalling.



Characteristics

Nominal Voltage Sensitivity (without preamp)	-200 dBV re 1 μ Pa @ 20°C
Size	7.8" length, 1.3" max OD
Depth Rating	1000 m
Storage and Operating Temperatures	-40 to +70°C
Labelling	Calibration parameters, serial number, date
Connector	MCBH-8M

Pre-Amplifier

Preamp signalling	Current or voltage (selectable on order)
Gain	0 – 35 dB (selectable on order)
Input Voltage	6.8 VDC nominal 4.5 – 30 VDC operating range
Band Pass	5 Hz HPF, no LPF installed (unless otherwise specified)
IRN	<30 nV/ $\sqrt{\text{Hz}}$ @10 Hz <4 nV/ $\sqrt{\text{Hz}}$ @1 kHz
Current Draw	1.3 mA (at 6.8 VDC) 4.2 mA with current signalling preamp



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M14 Frequency Response (without preamp)

