



GeoSpectrum Technologies Inc.

Customizing Detection

M20-100

The M20-100 is a hydrophone designed to measure 3-D particle velocity and acoustic pressure in a broad range of environments – from within 1 m of an air gun, to quiet ocean environments. The M20-100 includes a gyro-stabilized 3-dimensional orientation sensor, 3 dipole sensors and one omnidirectional acoustic pressure sensor.

Gain is factory set to optimise to the users requirements.

Additional support on mounting, deploying, etc. can also be provided.

In band resonance can be adjusted to better support specific requirements.

Bearing accuracy < 2 degrees relative to magnetic north.



Characteristics

Useful frequency range	1 Hz to 3,000 Hz
Operating and survival depths	300 m
Operating and storage temperatures	-40 to +70 °C
Size	127 mm diameter, 165 mm length
Fluid Compatibility	Water
Sensitivity	As required, see Figure 1 for band shape on PV sensors, Omni is flat, typical response -180 dB re 1 µPa



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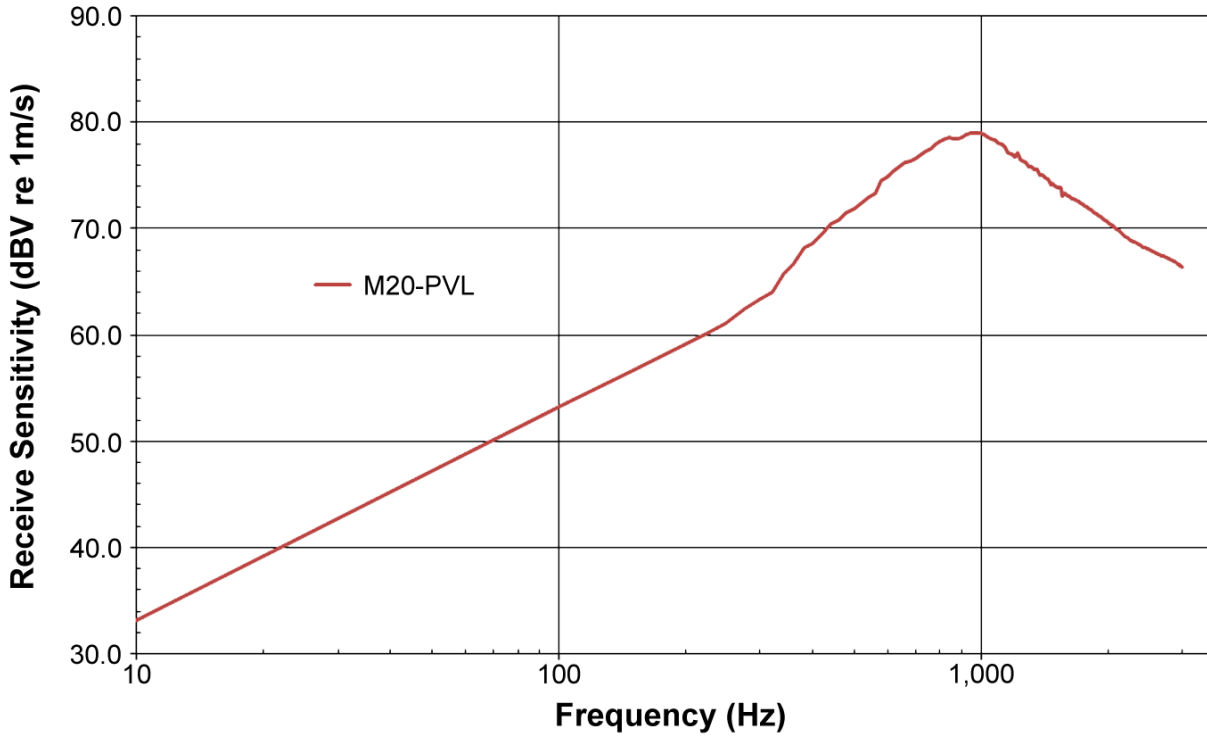


Figure 1 x, y, z nominal response