

DMT-BHL2Hz

Shallow borehole sensor

The DMT-BHL2Hz sensor is a shallow borehole sensor for microseismic monitoring and vibration measurements. It features three passive 2 Hz geophones with a high sensitivity of 200 V/m/s. The ruggedized design allows for measurements in shallow boreholes up to 100 m depths. Alternatively, it can be used as a surface sensor, which is mounted on a specially designed base plate.

The sensor can be used with the SUMMIT M VIPA (manufacturer: DMT) or any standard other seismological digitizer on the market.



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Technical specifications

Parameters	
Coil resistance	5800 $\Omega \pm 5\%$
Depth range	0 – 100 m
Distortion	0.2 %
Moving mass	60 g
Natural frequency	2.0 Hz $\pm 15\%$
Open circuit damping	0.6 $\pm 1.5\%$
Sensitivity	200 V/m/s $\pm 10\%$
Sensor type	3 component passive