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M40 - Mini Geophone Data Sheet

The Mini-Geophone M40 is used to receive P- and S-waves in horizontal boreholes. The borehole geophone consists of a tri-axial sensor. The geophone is coupled to the borehole wall by a pneumatic clamping system (inflatable bladder). Air is supplied to the M40 through the cable. The orientation of the M40 geophone is controlled from surface by a torsionally stiff hose. The cable is terminated by a connector to the seismograph.

Product Dimensions

Physical	Dimensions (L x W x H)	Weight
(instrument only)	405 mm x 42 mm x 42 mm	3 kg

Technical Specifications

Geophone sensor:	GS14-L9
Sensor frequency:	28 Hz
Sensor arrangement:	Tri-axial
Operational depth:	Up to 10 m
Cable weight per metre:	480 g
Borehole diameter:	50 mm (or larger if spacers are used)
Clamping system:	Inflatable bladder
Orientation:	Torsionally stiff hose
Depth indicator:	Cable marking every 2 m
Connector:	To any seismograph

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