

## 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

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

