

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 |

