



geotomographie

manufacturer of seismic borehole equipment



M40 | Mini-Geophone

The mini-geophone M40 is used to receive P- and S-waves in horizontal or small-sized 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 probe 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.



Mini-geophone M40 with a torsionally stiff hose and a pressure system to inflate the pneumatic clamping system (bladder).

Technical Details

- Geophone sensor:** GS14-L9
- Natural sensor frequency:** 28 Hz
- Sensor arrangement:** Tri-axial
- Operational depth:** Up to 10 m
- Receiver length:** 405 mm
- Receiver diameter:** 42 mm
- Receiver weight:** 3 kg
- 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

Data Example

