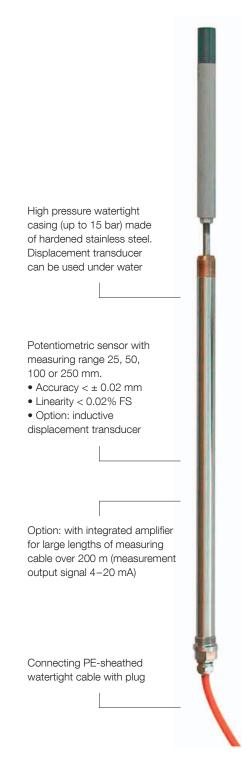
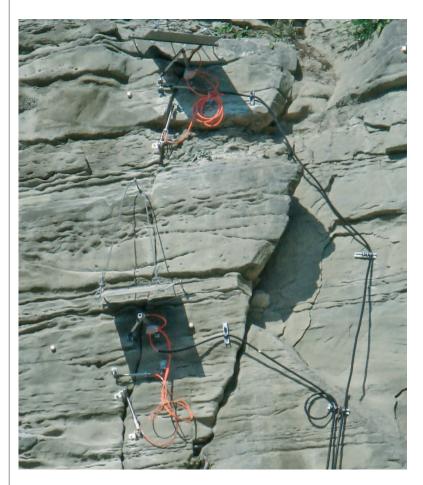


Electrical Displacement Transducer



Applications

- Where deformations and displacements have to be measured continuously and automatically and where the measuring positions cannot, or only with difficulty, be reached (e.g. for high retaining walls, rock slopes, measuring places subject to flooding).
- Combined with a borehole extensioneter (e.g. the Solexperts Modular Extensioneter) deformations, displacements, settlements or heaves can be measured along one or more measuring sections.
- To measure movements in one, two or three directions of joints, cracks or bearings (e.g. the movement of the bearings of bridges).
- With surface extensioneters to measure the displacements of retaining walls, slides, bridge supports, etc.





Reading Instrument

The displacement transducers can be used with a handy digital reading instrument. The batteryoperated reading instrument has a 4 lines of 16 characters per line with backlight display.



from displacement transducer

Solexperts Data Logger

Stand-alone battery powered Data-Logger with connection for 6 displacement transducers. Solexperts Data Logger has memory for 16000 measurement values and can work autonomously for many months. The data transfer to PC is done with SDL-Tool Software through data cable or wireless modem.

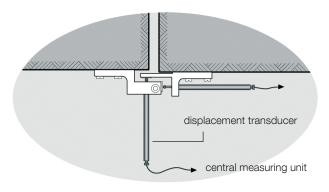
Solexperts GeoMonitor

As a part of the Solexperts GeoMonitor (see separate leaflet) the displacement transducer is combined with external multiplexers and connected by a data bus cable.

A special software application controls the automatic data acquisition and allows remote monitoring with continuous data transmission and being on permanent alert by means of a modem.

Applications: Extensometer displacement transducers 4-fold extensometer multiplexer units for 4 displacement transducers Office Office Software: Solexperts GeoMonitor

Application: Joint displacement measuring device



Technical data

- Range of measurement: 25, 50, 100, or 250 mm
- Accuracy: < +/- 0.02 mm
- Linearity: < 0.2% FS
- Watertightness: tup to 15 bar
- Ø external: 16 mm
 - Subject to technical changes

Solexperts AG

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