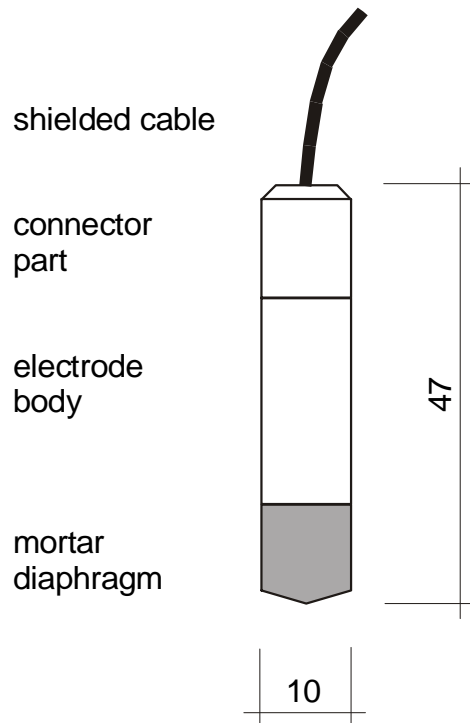


MnO₂⁻ Electrode (miniature size)

General Information

The MnO₂⁻ reference electrode is suitable for measuring potentials in alkaline systems, preferably in concrete. Due to its shape and size the electrode is re-usable and may be used for temporary applications, such as for the electrochemical chloride extraction or re-alkalisation. Therefore, the electrode head is to be placed close to the reinforcement. The compact size permits a direct mounting in drilling holes, and the I-R drop can be kept in a low range. With the gel filling a long term use is possible. The mortar diaphragm can be replaced for a regeneration of the electrode at reasonable cost.



Specification

- Diaphragm: reinforced cement mortar, conic head for good electrolytic contact in a drill hole
- electrode body of plastic material
- shielded connection cable, length 90 cm
- 4 mm laboratory lamella gold contact plug

Options

- electrode with protecting cap and calibration protocol
- on request without plug
- on request with different plug
- on request other cable length

Storage

The electrode shall be stored in saturated Ca(OH)₂⁻ solution and be prevented from drying out.

Service

- calibration
- replacement of damaged/ broken mortar diaphragms
- regeneration