



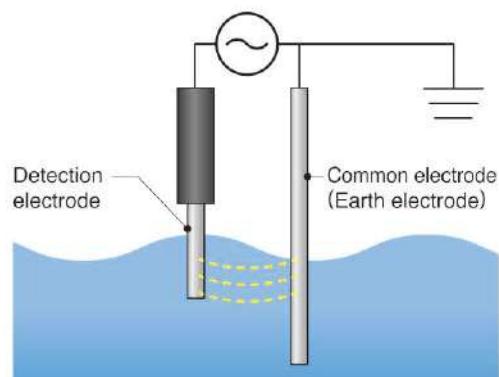
Point Level Switch for Liquid *Electrode Type Level Switch*

MRE Series

Features

- applicable for various liquids by changing the electrode material.
- Contact output at max. 6 points by one unit.
- The detection position can be freely changed by cutting the electrode part.
- It has no moving parts and can be used for a long time.

Measurement principle



Used in combination with Relay unit.
As Relay unit supplies a weak AC current, no current will flow to the electrode if the surface of the conductive liquid is not in contact with the electrode rod.
When the electrode rod touches the liquid surface, the current will flow.

Applications



Water tank, Elevated water tank



Water purification plant

Specification / Dimension

| Model | MRE-G4-FA-□ | MRE-G4-SC-□ |
|----------------------------|---|---|
| Dimension | <p>Technical drawing of the MRE-G4-FA probe showing dimensions for the top section (Rp 3/4, 26, Φ125) and the main body (L0, L1, L2, L3, L4, L5, L6, Φ5.23). The drawing also indicates the equivalent of JIS10K100A.</p> | <p>Technical drawing of the MRE-G4-SC probe showing dimensions for the top section (Rp 3/4, 26, Φ100) and the main body (L0, L1, L2, L3, L4, L5, L6, Φ80). The drawing also indicates the equivalent of G2 and 'Opposite sides 70 two-sides split'.</p> |
| Detection principle | Electrode type | |
| Wetted parts material | SUS304 / SUS316 / Titanium / Hastelloy C | |
| Terminal box | PVC (equivalent to IP 65) | |
| Electrode coating | Polyolefin (common is not coated) | |
| Maximum number of contacts | 7 electrodes (6 control points) | |
| Working pressure | 200kPa | |
| Mounting | JIS10K100A FF equivalent (PVC) | G2 equivalent (PVC) |
| Lead outlet | Rp3/4 | |
| Reference electrode length | L0=290, L1=80, L2 =115, L3=150, L4 = 185, L5=220, L6 =255mm | |
| Operating temperature | -20 ~ +50°C (no freezing) | |

* Please use Omron 61F series or equivalent relay unit.

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