# Industrial type electrodes pH - ORP



- Combined electrodes (measurement + reference)
- For connectors type S7
- Electrolyte: gel type



9308 RP2

8 RP2 9308 RP

# DESIGN

### Reference system:

When no specific mention applies, our electrodes use a reference system as Ag/ AgCl with a porous reference junction in ceramic: theoretical zero is at pH 7 (0 mV). Theoretical gain is close to 58 mV per pH units (at 20 °C). Fluid conductivity must be over 50  $\mu$ S/cm

### pH combined electrodes:

Glass and reference electrodes are always as a combination system. The measuring electrode is totally protected by the surrounding low resistive electrolyte from the reference electrode. The measuring area corresponds to special glass bulb end.

#### **ORP** combined electrodes:

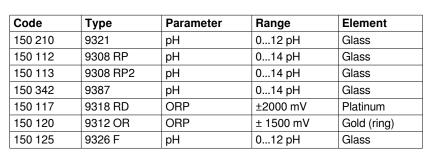
For these electrodes, the glass bulb is replaced by a metallic element, in platinum or gold. Gold is mainly used for ORP measurement in liquids containing cyanides.

## **DIMENSIONS - MOUNTING**

All our electrodes have a S8 plug to receive a coaxial connector ref. 9054; Safe fitting and water tightness are ensured with a threaded connector type PG 13.5. Our industrial electrodes fit on adapted electrode holders, in order to protect them and for optimized measurements.

For immersion in tank please see the data-sheets 130-01, 135-01 and 145-01. For in-line flow through cells see the data-sheets: 140-01, 140-02, 141-01 and 142-01.





| Code    | P max. | T° max.   | Junction     | PG 13.5  |
|---------|--------|-----------|--------------|----------|
| 150 210 | 6 bar  | -30+30 °C | Ceramic (x3) | Fixed    |
| 150 112 | 6 bar  | -5+60 °C  | Ceramic (x1) | Fixed    |
| 150 113 | 10 bar | -5+70 °C  | PTFE         | Rotating |
| 150 342 | 10 bar | -5+140 °C | Ceramic (x1) | Fixed    |
| 150 117 | 6 bar  | -5+80 °C  | Ceramic (x1) | Fixed    |
| 150 120 | 2 bar  | -5+70 °C  | Ceramic (x1) | Rotating |
| 150 125 | 6 bar  | -5+60 °C  | PTFE         | Rotating |



All types = Ø 12 mm, length 120 mm, PG 13.5

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