

# Industrial applications electrodes

## pH - ORP



9308 RP2

9308 RP

- Suitable with mainly all pH-meters
- Combined electrodes (measurement + reference)
- For connectors type S7
- Gel electrolyte

### 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 µS/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 is 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.



9318 RD

9312 OR

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

### CODE NUMBERS AND FEATURES

Code	Type	Parameter	Range	Element
150 210	9321	pH	0...12 pH	Glass
150 112	9308 RP	pH	0...14 pH	Glass
150 113	9308 RP2	pH	0...14 pH	Glass
150 342	9387	pH	0...14 pH	Glass
150 117	9318 RD	ORP	±2000 mV	Platinum
150 120	9312 OR	ORP	± 1500 mV	Gold (ring)
150 125	9326 F	pH	0...12 pH	Glass

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...+100 °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	Fixed

# BAMO MESURES

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pH

150-01 /1