

# Combined pH electrodes without liquid junction 2000 series



- High chemical resistance
- Pressure limit: up to 20 bar
- Long lifetime
- Without liquid bridge
- No KCl leaking

## APPLICATIONS

- Ultrapure water
- WWTP
- Polluted fluids (acids such as H<sub>2</sub>S, NH<sub>3</sub>, etc.)
- Dirty fluids (convenient if coatings remain humid and conductive)
- Fluids with sulfides (eg, sulfur recovery plants)
- Measurements in fluids with suspended solids and emulsions

## DESCRIPTION

Standard electrodes are generally provided with a porous junction which allows the reference system to come into contact with the monitored solution. When high pressure or temperature occur, or with highly basic or acid solutions, the monitored fluid may penetrate in the reference system. In this case, the electrode is quickly contaminated and out of use.

The 2000 series electrodes have an Ag / AgCl reference cell incorporated in an ion-conductive polymer, the outer surface of which forms a static electrolyte and the contact bridge. These electrodes are not using a ceramic or any kind of diaphragm. So, the reference system is protected from pollution and poisoning by pollutants.

Compared to conventional electrodes, the 2000 series electrodes therefore have a much wider range of applications and a much longer lifetime.

## TECHNICAL FEATURES

Type	Combined electrode
Reference junction	Non porous and solid interface with ionic conductivity Ag/ AgCl in KCl 2.8 mol/L
Measuring range	0... 13 pH
Impedance Glass pH/ Reference	< 400 MΩ / 1 MΩ
Pressure	0... 20 bar
Temperature	0... 100 °C
Dimensions	12 x 120 mm
Connector	S8 type
Fitting	PG 13.5

## CODE NUMBER AND REFERENCE

Code	Reference	Description
150 370	2001	pH combined electrode (non porous junction)

# BAMO MESURES

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Combined pH electrodes  
without liquid junction  
**2000 series**

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pH

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