

Analog pH sensor Orbipore CPS91

Glass electrode for heavily polluted media in chemical processes, paper or paint production



More information and current pricing:

www.apsc.endress.com/CPS91

Benefits:

- Open aperture for application in heavily soiled media
- Low maintenance and long service life due to stabilized gel filling
- Not affected by fluctuations in pressure and temperature

Specs at a glance

- **Measurement range** pH 0-14
- **Process temperature** max. 110°C (230°F)
- **Process pressure** max. 10 bar (145 psi)

Field of application: Orbipore CPS91 is the analog specialist for pH measurement in fibrous media or media with a high content of suspended solids such as dispersions, precipitation reactions or emulsions. The open aperture prevents fouling and guarantees you the most reliable measurement under extreme process conditions.

Features and specifications

pH

Measuring principle

Potentiometric

Application

- Process applications - media with high contamination: emulsions, suspensions, precipitation reactions - min. conductivity >500µS/cm.

Characteristic

- rapid response - new, stabilised gel insensitive to contaminations

pH

Measurement range

pH 0-14

Measuring principle

- Open aperture - double gel reference

Design

- all shaft lengths with temperature sensor - advanced gel technology

Material

Glass

Dimension

Diameter: 12 mm (0.46 inch)

Shaft lengths: 120, 225, 360 and 425 mm
(4.68, 8.77, 14.04 and 16,57 inch)**Process temperature**max. 110°C
(230°F)**Process pressure**max. 10 bar
(145 psi)**Temperature sensor**

Optional with integrated Pt100 or Pt1000.

Ex certification

Simple operational equipment, no certification necessary.

Connection

TOP68 plug-in head

Ingres protection

IP68

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