

# Analog pH sensor Orbipore CPS91

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



More information and current pricing:

[www.cz.endress.com/CPS91](http://www.cz.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

More information [www.cz.endress.com/CPS91](http://www.cz.endress.com/CPS91)