

Digital pH sensor Orbipore CPS91D

Memosens glass sensor for heavily polluted media in chemical processes, paper or paint production



More information and current pricing:

www.endress.com/CPS91D

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
- Maximum process safety through non-contact inductive signal transmission
- Enables predictive maintenance due to storage of sensor and process-specific data
- Reduced operating costs thanks to minimized process downtime and extended sensor lifetime

Specs at a glance

- **Measurement range** 0 to 14 pH
- **Process temperature** 0 to 110 °C (32 to 230 °F)
- **Process pressure** 1 to 14 bar (15 to 203 psi)

Field of application: Orbipore CPS91D is the digital specialist for 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. Orbipore CPS91D is not the latest Memosens generation. To get information on the new Memosens CPS91E sensor with extended functionality, click [here](#).

Features and specifications

pH

Measuring principle

Potentiometric

Application

Chemical processes, pulp and paper, flue gas cleaning, contaminated media

Characteristic

Analog, digital pH electrodes
Open aperture for contaminated media,
optionally integrated temperature sensor

Measurement range

0 to 14 pH

Measuring principle

Open aperture, double gel reference

Design

All shaft lengths with temperature sensor
Advanced gel technology
Digital electrode with Memosens technology

Material

Glass

Dimension

Diameter: 12 mm (0.47 inch)
Shaft lengths: 120, 225, 360 and 425 mm
(4.72, 8.86, 14.17 and 16.73 inch)

Process temperature

0 to 110 °C (32 to 230 °F)

Process pressure

1 to 14 bar (15 to 203 psi)

Temperature sensor

Optional with integrated Pt100 or Pt1000

pH

Ex certification

ATEX, FM

Connection

Inductive, contactless connection head with Memosens technology

Ingres protection

IP68

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