

Digital ORP sensor Orbipore CPS92D

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



More information and current pricing:

www.apsc.endress.com/CPS92D

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** -1500 mV - +1500 mV
- **Process temperature** max. 110°C (230°F)
- **Process pressure** max. 13bar (189psi)

Field of application: Orbipore CPS92D 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 CPS92D is not the latest Memosens generation. To get information on the new Memosens CPS92E sensor with extended functionality, click [here](#).

Features and specifications

ORP / Redox

Measuring principle

Sensor ORP / Redox

Application

Process applications, heavy soiled media, emulsions, suspensions, precipitations

Installation

digital electrode with Memosenstechnology

Characteristic

Very robust, easy cleanable.

Measurement range

-1500 mV - +1500 mV

Measuring principle

- Gel compact electrode with open aperture - measuring part as platinum cap.

Design

All shaft lengths - advanced gel technology

Material

Glass electrode and platinum cap.

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. 13bar (189psi)

Temperature sensor

NTC30k

ORP / Redox

Ex certification

ATEX II IG EEXia IIC T3/T4/T6

FM/CSA Class1 Div.2 in Kombination mit CM42 und CPM153
Messumformer.

Connection

Memosens

Ingres protection

IP68

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