

## 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.ie.endress.com/CPS92D](http://www.ie.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

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**Application**

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

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**Installation**

digital electrode with Memosenstechnology

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**Characteristic**

Very robust, easy cleanable.

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**Measurement range**

-1500 mV - +1500 mV

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**Measuring principle**

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

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**Design**

All shaft lengths - advanced gel technology

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**Material**

Glass electrode and platinum cap.

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**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)

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**Process temperature**

max. 110°C (230°F)

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**Process pressure**

max. 13bar (189psi)

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**Temperature sensor**

NTC30k

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ORP / Redox

**Ex certification**

ATEX II IG EEXia IIC T3/T4/T6

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

Messumformer.

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**Connection**

Memosens

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**Ingres protection**

IP68

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