

# Digital ORP sensor Ceragel CPS72D

## Memosens glass electrode for the chemical and life sciences industries



More information and current pricing:

[www.casc.endress.com/CPS72D](http://www.casc.endress.com/CPS72D)

### Benefits:

- Sensor resists strong acids and bases and high organic loads
- Suitable for CIP/SIP and autoclaving maintaining high accuracy
- Free from animal-based materials and from acrylamide
- 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** -1500mV - +1500mV
- **Process temperature** -15°C - 140°C
- **Process pressure** max. 16bar

**Field of application:** Ceragel CPS72D is the digital specialist for demanding processes and hygienic applications. Its contamination-resistant gel guarantees stable measurement even in flowing media or low conductivity. The sensor measures reliably at high temperatures and is non-toxic assuring highest safety. Ceragel CPS72D is not the latest Memosens generation. To get information on the new Memosens CPS72E sensor with extended functionality, click [here](#).

### Features and specifications

## ORP / Redox

**Measuring principle**

Sensor ORP / Redox

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**Application**

- Hygiene and sterile applications.- Pharmaceuticals, biotechnology, fermenters, contaminating media.

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**Characteristic**

- Digital electrode with Memosens-Technology.- Gel-compact-electrode with ceramic diaphragm.- Platinum-cap- CIP/SIP and autoclavable- high accuracy

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**Measurement range**

-1500mV - +1500mV

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**Measuring principle**

- ceramic diaphragm- double chamber and double gel reference- Platinum-ring

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**Dimension**

Diameter : 12mm Shaft length : 120,225,360mm

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**Process temperature**

-15°C - 140°C

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**Process pressure**

max. 16bar

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**Ex certification**

ATEX

FM

CSA

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**Connection**

Inductive transmission of digital measuring signals.

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**Ingres protection**

IP68

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ORP / Redox

**Additional certifications**

EHEDG

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