

# Analog ORP sensor Ceragel CPS72

## Glass electrode for food and life sciences industries



More information and current pricing:

[www.cz.endress.com/CPS72](http://www.cz.endress.com/CPS72)

### Benefits:

- Suitable for CIP/SIP cleaning and autoclaving maintaining high accuracy
- Sensor resists strong acids and bases and high organic loads
- Certified biocompatibility, no cytotoxicity
- Free from animal-based materials and from acrylamide

### Specs at a glance

- **Measurement range** -1500 mV - +1500 mV
- **Process temperature** -15°C - 135°C
- **Process pressure** max. 16bar

**Field of application:** Ceragel CPS72 is the analog specialist for ORP measurement in sterile and hygienic applications. Its state-of-the-art gel is poison resistant and guarantees stable measurement even in flowing media or low conductivity. The sensor is sterilizable, autoclavable and non-toxic assuring highest safety of your products.

## Features and specifications

ORP / Redox

### Measuring principle

Sensor ORP / Redox

### Application

- Hygienic and sterile applications - pharmaceuticals, biotechnology, fermenters, contaminating media.

## ORP / Redox

**Characteristic**

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

**Measurement range**

-1500 mV - +1500 mV

**Measuring principle**

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

**Material**

Glass electrode with ceramic diaphragm and platinum ring.

**Dimension**

Diameter: 12 mm

Shaft lengths: 120, 225, 360 mm

**Process temperature**

-15°C - 135°C

**Process pressure**

max. 16bar

**Ex certification**

Simple operational device, no certification necessary.

**Connection**

TOP68 connection head

**Ingres protection**

IP68

**Additional certifications**

Biocompatibility acc. ISO 10993-5 and USP (current version).  
TÜV certificate for pressure resistance up to 16 bar with triple overpressure safety.

More information [www.cz.endress.com/CPS72](http://www.cz.endress.com/CPS72)