

# Analog ORP sensor Ceraliquid CPS42

Glass electrode for applications with fast-changing medium compositions or low conductivity



More information and current pricing:

[www.ca.endress.com/CPS42](http://www.ca.endress.com/CPS42)

## Benefits:

- Resistant to poisoning due to constant refilling of KCl bridge electrolyte and separate reference lead
- Applicable at very low conductivities ( $= 5 \mu\text{S}/\text{cm}$ ) thanks to liquid KCl electrolyte
- Suitable for cleaning in place (CIP) and sterilization in place (SIP)
- Perfectly suited for quickly changing media: Combination of liquid KCl electrolyte and ceramic diaphragm enables fast response time

## Specs at a glance

- **Measurement range** -1500 mV - +1500 mV
- **Process temperature** -15°C - 130°C
- **Process pressure** max. 8bar

**Field of application:** Ceraliquid CPS42 is the analog high performer for harsh chemical applications and media with low conductivity or a considerable content of organic solvents. The sensor is designed for fast response guaranteeing you high process safety even in applications with fast-changing medium compositions.

## Features and specifications

ORP / Redox

### Measuring principle

Sensor ORP / Redox

## ORP / Redox

**Application**

- Special applications with high requirements with regard to accuracy, speed - rapidly changing composition of media, highly clogging media, low conductivities.

**Characteristic**

- Gel-free, refillable electrolyte - greatest accuracy - can be subject to pressure to prevent clogging.

**Measurement range**

-1500 mV - +1500 mV

**Measuring principle**

- Liquid filled compact electrode with ceramic diaphragm - platinum ring

**Dimension**

Diameter: 12 mm

Shaft lengths: 120, 225 mm

**Process temperature**

-15°C - 130°C

**Process pressure**

max. 8bar

**Ex certification**

ATEX

FM

CSA

TIIS

**Connection**

TOP68 connection head

**Ingres protection**

IP68

**Additional certifications**

EHEDG

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