# Analog ORP sensor Ceraliquid CPS42

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



**Benefits:**

- Resistant to poisoning due to constant refilling of KCl bridge electrolyte and separate reference lead
- Applicable at very low conductivities (= 5 µS/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

**Ingress protection**
IP68

**Additional certifications**
EHEDG

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