Analog ORP sensor Ceraliquid CPS42

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

More information and current pricing:
www.au.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 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

Ingres protection

IP68

Additional certifications

EHEDG

More information **www.au.endress.com/CPS42**

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