Analog pH sensor Orbisint CPS11

Glass electrode for standard applications



More information and current pricing:
www.endress.com/CPS11

Benefits:

- Robust electrode with long poison diffusion path, requires low maintenance due to large, dirt-repellent PTFE ring diaphragm
- Suitable for harsh applications: Process glass for highly alkaline media and pressure-stable up to 16 bar (232 psi)
- Optional salt ring for low conductivity applications such as boiler feed water and water for injection

Specs at a glance

- **Measuring range** pH 0-14
- **Process temperature** max. 135°C (274°F)
- **Process pressure** max. 16 bar (230 psi)

Field of application: Orbisint CPS11 is the all-rounder for pH measurement in process and environmental applications. It performs reliably and accurately even in highly alkaline media or hazardous areas. Designed for low maintenance and a long operating life, the sensor offers you best value for money.

Features and specifications

pH

Measuring principle
Potentiometric

Application
Standard applications in process and the environment. Long-term monitoring, processes with little change.

pH

Characteristic
Very robust, heavy-duty version / high pressure, integrated potential matching, flat membrane available.

Measuring range
pH 0-14

Measuring principle
Gel compact electrode with PTFE ring-diaphragm.

Design
- all shaft lengths with temperature sensor
- advanced gel technology.
- With dirt-repellent PTFE diaphragm.

Material
Glass / PTFE

Dimension
Diameter: 12 mm (0.46 inch) shaft length: 120, 225, 360 and 425 mm (4.68, 8.77, 14.04 and 16,57 inch)

Process temperature
max. 135°C (274°F)

Process pressure
max. 16 bar (230 psi)

Temperature sensor
optional with integrated Pt100 or Pt1000

Ex certification
Simple operational equipment, no certification necessary.

Connection
TOP68 connection head

Ingress protection
IP 68

pH

Certificates, declarations and approvals

Biocompatibility validated acc. to ISO 10993-5 USP (current version). TÜV certificate for pressure resistance 16 bar, min. triple overpressure safety.

More information **www.endress.com/CPS11**

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