

Digital combined pH/ORP sensor Memosens CPS76D

Memosens glass electrode for the chemical and life sciences industries



More information and current pricing:

www.at.endress.com/CPS76D

Benefits:

- Simultaneous measurement of pH, ORP and rH values (in rH mode) for a better process overview
- Additional platinum electrode enables constant monitoring of reference impedance and thus sensor quality
- Robust and resistant to poisoning thanks to new acrylamide-free bridge electrolyte and reference with ion trap
- Suitable for CIP/SIP and autoclaving
- Maximum process safety through non-contact inductive signal transmission
- Enables predictive maintenance due to storage of sensor and process-specific data
- Reduced operating costs thanks to minimized process downtime and extended sensor lifetime

Specs at a glance

- **Measurement range** pH 0-14
- **Process temperature** -15°C ... 140°C (5°F - 284°F)
- **Process pressure** max. 13 bar (188 psi) depends on selected version

Field of application: Memosens CPS76D is the expert for simultaneous pH and ORP measurement in demanding processes and hygienic applications, offering a better process control and increased quality. The sensor measures reliably at high temperatures and is non-toxic assuring highest safety of your products. Thanks to Memosens digital technology, CPS76D combines maximum process and data integrity with simple operation. It resists corrosion and moisture, enables lab calibration and facilitates predictive maintenance.

Features and specifications

pH

Measuring principle

Potentiometric

Application

Hygienic and sterile applications, process

Characteristic

CIP/SIP and autoclavable - high accuracy - biocompatibility of the gel inside - version upside-down installation available - pressurized reference (6 bar)

Pt-disc as additional ORP element.

rH measurement and control of the reference impedance.

Measurement range

pH 0-14

Measuring principle

- ceramic diaphragm - Ion trap

Design

- All shaft lengths with temperature sensor - advanced gel technology - digital electrode with Memosens technology

Material

glass / ceramic

Dimension

Diameter: 12 mm (0.46 inch)

Shaft lengths: 120, 225, 360 and 425 mm

(4.68, 8.77, 14.04 and 16,57 inch)

Process temperature

-15°C ... 140°C

(5°F - 284°F)

pH

Process pressure

max. 13 bar
(188 psi) depends on selected version

Temperature sensor

NTC 30k

Connection

Inductive, digital connection head with Memosens technology.

Ingres protection

IP68

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