

Digital combined pH/ORP sensor Memosens CPS76D

Memosens glass electrode for the chemical and life sciences industries



More information and current pricing:

www.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. Memosens CPS76D is not the latest Memosens generation. To get information on the new Memosens CPS76E sensor with extended functionality, click [here](#).

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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