

Digital pH sensor Memosens CPS31D

Memosens glass electrode for application in drinking water and swimming pools



Benefits:

- Reliable measurement at minimum conductivity thanks to three diaphragms
- Low drift by very low level of ion depletion in electrolyte
- Optional salt ring for extended operating time
- Maximum process safety through non-contact inductive signal transmission
- Enables predictive maintenance due to storage of sensor and process-specific data
- Reduced operating costs due to minimized process downtime and extended sensor lifetime

Specs at a glance

- **Measurement range** pH 1 to 12
- **Process temperature** 0 to 80 °C (32 to 176 °F)
- **Process pressure** 1 to 4 bar (15 to 60 psi)

Field of application: Memosens CPS31D is the digital expert for pH compensation in disinfection processes. Its three diaphragms make it suitable for minimum conductivity while its low drift guarantees stable measurement. The sensor makes sure that swimming pool water is agreeable and drinking water tasteful. Memosens CPS31D is not the latest Memosens generation. To get information on the new Memosens CPS31E sensor with extended functionality, click [here](#).

Features and specifications

pH

Measuring principle

Potentiometric

Application

Drinking water and swimming pool water,
pH compensation for measuring free chlorine

Characteristic

Standard applications in water, long lifetime

Measurement range

pH 1 to 12

Measuring principle

Gel filled reference with one or three diaphragms, optional
saltring

Design

Shaft with temperature sensor

Material

Glass and Ceramic

Dimension

Diameter: 12 mm (0.47 inch)
Shaft length: 120 mm (4.70 inch)

Process temperature

0 to 80 °C
(32 to 176 °F)

Process pressure

1 to 4 bar
(15 to 60 psi)

Temperature sensor

NTC 30k

pH

Ex certification

None

Connection

Memosens plug-in head for digital, non-contact data transmission

Ingress protection

IP68



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