

Digital pH sensor Memosens CPL57E

Memosens 2.0 pH sensor for laboratory measurement and random sampling in pure and ultrapure water



More information and current pricing:

www.us.endress.com/CPL57E

Benefits:

- High accuracy and long-term stability of the pH electrode in pure water thanks to the additional salt storage
- Maintenance free sensor since the electrolyte does not need to be refilled
- Supports the requirements of quality management with tamper-proof data storage including serial number and calibration history
- Automatic temperature compensation thanks to an integrated temperature sensor

Specs at a glance

- **Measuring range** pH 0 to 14 (1 to 12 application range)
- **Process temperature** -5 to 100 °C (23 to 212 °F) (0 to 80 °C (32 to 176 °F) application range)
- **Process pressure** 1 bar, not intended for continuous measurement in process

Field of application: The pH sensor Memosens CPL57E is specially designed for pure water applications in all types of industries. The glass sensor offers long-term stability, thanks to the additional salt storage, and ensures highly accurate measured values in pure water.

Features and specifications

pH

Measuring principle

Potentiometric

pH

Application

Measurements in low-conductivity media, such as boiler feedwater, pure and ultrapure water

Characteristic

Digital Memosens 2.0 compact gel pH glass sensor for laboratory measurements

and random sampling

Reference system with salt storage for drift-free measurement in low-conductivity media

Measuring range

pH 0 to 14 (1 to 12 application range)

Material

Glass

Dimension

Diameter: 12 mm (0.47 inch)

Shaft length: 120 mm (4.72 inch)

Process temperature

–5 to 100 °C (23 to 212 °F) (0 to 80 °C (32 to 176 °F) application range)

Process pressure

1 bar, not intended for continuous measurement in process

Temperature sensor

NTC 30kΩ

Connection

Inductive, digital connection head with Memosens 2.0 technology

Input

IP68

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