

## 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.ch.endress.com/CPL57E](http://www.ch.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

- **Measurement 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

**Measurement 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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