

# Digital pH sensor Memosens CPL59E

## Rugged Memosens 2.0 pH sensor for laboratory measurements and random sampling in demanding media



More information and current pricing:

[www.au.endress.com/CPL59E](http://www.au.endress.com/CPL59E)

### Benefits:

- The ion trap provides excellent performance and long-term stability even in harsh environments such as oxidizing agents
- Large dirt-repellent PTFE-junction to avoid clogging
- Innovative Memosens 2.0 technology: true plug and play and optimal traceability
- Automatic registration and temperature compensation with the integrated temperature sensor
- Tamper-proof data storage including serial number and calibration history for required quality management

### Specs at a glance

- **Measurement range** pH 0 to 14
- **Process temperature** 0 to 135 °C (32 to 275 °F) (0 to 100 °C (32 to 212 °F) application range)
- **Process pressure** 1 bar, not intended for continuous measurement in process

**Field of application:** The Memosens CPL59E starts to perform best, when other sensors cannot handle the conditions. The pH electrode is suited for harsh conditions as e.g. in chemical and process industries. Due to the ion trap it offers a high stability to oxidizing agents. This protects the sensor and the junction from drift and inaccurate measurement.

### Features and specifications

pH

**Measuring principle**

Potentiometric

## pH

**Application**

Measurements in demanding media in the chemical and process industry

**Characteristic**

Digital Memosens 2.0 compact gel pH glass sensor for laboratory measurements and random sampling  
Rugged pH sensor with PTFE junction and ion trap

**Measurement range**

pH 0 to 14

**Material**

Glass

**Dimension**

Diameter: 12 mm (0.47 inch)  
Shaft length: 120 mm (4.72 inch)

**Process temperature**

0 to 135 °C (32 to 275 °F) (0 to 100 °C (32 to 212 °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

**Ingress protection**

IP68

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