

# Digital pH sensor Memosens CPL51E

## Memosens pH electrode for standard applications in laboratories and in the field



More information and current pricing:

[www.ca.endress.com/CPL51E](http://www.ca.endress.com/CPL51E)

### Benefits:

- The inductive Memosens sensor connection is insensitive to moisture and corrosion.
- Suitable for use in the laboratory or in the field to check your running process. A physical protection keeps the glass membrane safe in both environments.
- Automatic temperature compensation thanks to integrated temperature sensor.
- Fast response time even in cold ionweak water.
- Reference system with open aperture minimizes the risk of clogging.

### Specs at a glance

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

**Field of application:** With its robust plastic shaft, the glass membrane protection and metal free connection, Memosens CPL51E can be used for grab sample analysis directly in the field or in the laboratory. The sensor comes pre-calibrated and is directly ready for use. Ideally to be used in combination with the mobile handheld Liquiline Mobile CML18 without any additional settings.

### Features and specifications

## pH

**Measuring principle**

Potentiometric

**Application**

Grab sample measurement in laboratory and for portable use in the field  
Specially designed for water, wastewater, utility water and process water

**Characteristic**

Digital Memosens pH sensor for standard use in laboratories and for portable use in the field  
Open hole non-clogging junction for fast and reliable measurement

**Measurement range**

pH 0 to 14 (1 to 12 application range)

**Material**

Glass and polymer

**Dimension**

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

**Process temperature**

-5 to 80 °C (23 to 176 °F)

**Process pressure**

1 bar, not intended for continues measurment in process

**Temperature sensor**

NTC 30kΩ

**Connection**

Inductive, digital Connection head with Memosens technology

**Ingres protection**

IP68

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