

## Digital pH sensor Memosens CPL51E

Robust Memosens 2.0 pH sensor for laboratory measurement and random sampling in the field



More information and current pricing:

[www.us.endress.com/CPL51E](http://www.us.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.
- Supports the requirements of quality management with tamper-proof stored information such as serial number or calibration history

### 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 measurment in process

**Field of application:** With its robust plastic shaft and contactless inductive Memosens cable connection, Memosens CPL51E is made for random sampling 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**

Measurements in drinking water, wastewater and process water

**Characteristic**

Digital Memosens 2.0 pH sensor for laboratory measurements and

random sampling in the field

Robust pH sensor with plastic shaft

**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

**Ingress protection**

IP68

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