Digital pH sensor
Memosens CPL51E

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

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 measurement 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

More information and current pricing: [www.endress.com/CPL51E](http://www.endress.com/CPL51E)
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 measurement in process

** Temperature sensor**
NTC 30kΩ

**Connection**
Inductive, digital Connection head with Memosens technology

**Ingress protection**
IP68

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