

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.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

- **Measuring 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

Measuring 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

More information www.endress.com/CPL51E