

Digital pH sensor Memosens CPL51E

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



More information and current pricing:

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.

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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