

Digital pH sensor Memosens CPL53E

Versatile Memosens 2.0 pH glass sensor for laboratory measurement and random sampling



More information and current pricing:

www.us.endress.com/CPL53E

Benefits:

- Time-saving random sampling with pre-calibrated sensor which allows fast and easy switches of sensors
- Easy handling with Memosens 2.0 bayonet connector
- Supports the requirements of quality management with tamper-proof data storage including serial number and calibration history
- Maintenance-free pH electrode without the need to refill electrolyte
- Temperature compensation with integrated temperature sensor

Specs at a glance

- **Measuring range** pH 0 to 14 (1 to 12 application range)
- **Process temperature** -5 to 100 °C (23 to 212 °F) (0 to 80 °C (32 to 176 °F) application range)
- **Process pressure** 1 bar, not intended for continuous measurement in process

Field of application: The Memosens CPL53E pH glass sensor is the all-rounder for use in the laboratory. It covers a wide variety of samples and application: whether check of measuring loops or random sampling. Thanks to Memosens 2.0 technology, this sensor provides reliable, highly accurate measurements with a fast response time. Furthermore, the electrode is long lasting and maintenance free since the sensors have a gel filling.

Features and specifications

pH

Measuring principle

Potentiometric

pH

Application

Measurements in standard applications in the laboratory

Characteristic

Digital Memosens 2.0 compact gel pH glass sensor for standard use in laboratories

Versatile pH sensor with very fast response time

Measuring range

pH 0 to 14 (1 to 12 application range)

Material

Glass

Dimension

Diameter: 12 mm (0.47 inch)

Shaft length: 120 mm (4.72 inch)

Process temperature

-5 to 100 °C (23 to 212 °F) (0 to 80 °C (32 to 176 °F) application range)

Process pressure

1 bar, not intended for continuous measurement in process

Temperature sensor

NTC 30kΩ

Connection

Inductive, digital connection head with Memosens 2.0 technology

Ingress protection

IP68

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