

# Digital pH sensor Memosens CPL53E

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



More information and current pricing:

[www.au.endress.com/CPL53E](http://www.au.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

- **Measurement 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

**Measurement 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 continues measurment in process

**Temperature sensor**

NTC 30kΩ

**Connection**

Inductive, digital connection head with Memosens 2.0 technology

**Ingres protection**

IP68

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