Digital pH sensor Memosens CPL59E

Rugged Memosens 2.0 pH sensor for laboratory measurements and random sampling in demanding media

More information and current pricing:

www.de.endress.com/CPL59E

Benefits:

- The ion trap provides excellent performance and long-term stability even in harsh environments such as oxidizing agents
- Large dirt-repellent PTFE-junction to avoid clogging
- Innovative Memosens 2.0 technology: true plug and play and optimal traceability
- Automatic registration and temperature compensation with the integrated temperature sensor
- Tamper-proof data storage including serial number and calibration history for required quality management

Specs at a glance

- **Measurement range** pH 0 to 14
- **Process temperature** 0 to 135 °C (32 to 275 °F) (0 to 100 °C (32 to 212 °F) application range)
- **Process pressure** 1 bar, not intended for continues measurement in process

Field of application: The Memosens CPL59E starts to perform best, when other sensors cannot handle the conditions. The pH electode is suited for harsh conditions as e.g. in chemical and process industries. Due to the ion trap it offers a high stability to oxidizing agents. This protects the sensor and the junction from drift and inaccurate measurement.

Features and specifications

pH

Measuring principle
Potentiometric

Endress+Hauser

pH

Application

Measurements in demanding media in the chemical and process industry

Characteristic

Digital Memosens 2.0 compact gel pH glass sensor for laboratory measurements
and random sampling
Rugged pH sensor with PTFE junction and ion trap

Measurement range

pH 0 to 14

Material

Glass

Dimension

Diameter: 12 mm (0.47 inch)
Shaft length: 120 mm (4.72 inch)

Process temperature

0 to 135 °C (32 to 275 °F) (0 to 100 °C (32 to 212 °F) application range)

Process pressure

1 bar, not intended for continues measurement in process

Temperature sensor

NTC 30kΩ

Connection

Inductive, digital connection head with Memosens 2.0 technology

Ingres protection

IP68

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