

Endress+Hauser CPS71E-BA7BTB2

Thanks to its contamination-resistant reference system, Memosens CPS71E is a digital pH sensor for highly contaminated or toxic media such as strong acids or bases.



Picture for reference only. Product appearance may vary based on configuration

The Memosens CPS71E is designed for demanding processes. Its contamination-resistant reference and moisture resistance ensure reliable measurements in heavily contaminated, aggressive media such as strong acids and bases. With Memosens 2.0 digital technology, the CPS71E increases the storage capacity for calibration and process data and supports predictive maintenance. Laboratory calibration and quick on-site sensor replacement maximize process uptime.

- The special ion trap of the electrode prevents poisoning of the junction and the reference, offers resistance to strong acids and bases and ensures a longer service life of the sensor.
- The optional pressurized reference ensures reliable measurements in blocking media.
- Optional upside-down mounting for flexible installation.
- Inductive cable connection and non-contact signal transmission improve process integrity by preventing problems with moisture or corrosion.
- On-site sensor replacement minimizes process downtime and costs.
- Memosens 2.0 technology enables trend identification, predictive maintenance and advanced IIoT services with extended data storage for calibration and process information.

Configuration of CPS71E-BA7BTB2:

Approval:	BA	ATEX II 1G Ex ia IIC T3/T4/T6 Ga
Electrode Type:	7	Basic version, zero point pH 7,0, temperature sensor NTC 30k
Application Range:	B	0-14 pH, 0...140°C, 0,8...14 bar (abs)
Reference System:	TB	1 ceramic junction, ion trap, 3 M KCl, Ag/AgCl
Shaft Length:	2	120mm

Alternative part number: CPS71E-10H0/0