

Endress+Hauser pH sensor CPS11E-AA7AAA2

Digital pH sensor for standard applications with contactless signal transmission for safe processes



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

The Memosens CPS11E, a digital pH sensor, guarantees process stability and provides reliable measured values, even in harsh pH environments or in risk zones. Thanks to Memosens 2.0 digital technology, this sensor is moisture resistant and supports laboratory calibration, which increases process safety and reduces operational complexity. With extended storage of calibration and process data, it provides a solid basis for predictive maintenance. This sensor is designed for durability and minimal maintenance, ensuring a long service life.

- Robust electrode: Special design prevents poisoning, with a dirt-repellent PTFE junction guarding against medium contamination.
- Durable materials: Process glass handles full pH range, tolerates up to 17 bar (246.5 psi) pressure; Optional F-glass suits hydrofluoric acid, like in semiconductor baths.
- Fast sensor replacement reduces process downtime, extends sensor life and minimizes operating costs.
- Increased reliability in low conductivity applications: An improved optional salt storage ensures reliable measurements in scenarios such as boiler feed water.
- Memosens 2.0 technology ensures data storage for better trend analysis, predictive maintenance, and advanced IIoT functions.

Configuration of CPS11E-AA7AAA2:

Approval:	AA	Non-hazardous area
Electrode Type:	7	Basic version, zero point pH 7,0, temperature sensor NTC 30k
Application Range:	A	1-12 pH, -15...80oC, 0,8...17 bar (abs)
Reference System:	AA	PTFE ring junction, 3 M KCl, Ag/AgCl
Shaft Length:	2	120mm

Alternative part number: CPS11E-1014/0