

Endress+Hauser pH sensor CPS61E-AA6NTP2

Glass pH sensor for the food & beverage industry and for bioreactors in the biotech industry



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

Keep the pH value in the optimum range and maximize your product yield with Memosens CPS61E. Its rugged design and long-term stability ensure extremely accurate and reproducible measured values even after CIP/SIP or autoclaving. CPS61E features Memosens 2.0 digital technology, offering extended storage of calibration and process data for predictive maintenance. The sensor resists moisture and enables pre-calibration in the laboratory. This enhances the process integrity and increases the process uptime. Memosens CPS61E measures pH in Bioreactors/fermenters in the Biotech and Pharma industries, process control in enzyme production, control of culture growth. Food & Beverage CIP/SIP applications. A pharma certificate of compliance with sensor serial number specified is available.

- Memosens 2.0 offers extended storage of calibration and process data, enabling better trend identification and providing a future-proof basis for predictive maintenance and enhanced IIoT services.
- The sensor's exceptional accuracy and reproducibility help you to keep the pH value in the optimum range for a maximized product yield.
- A special glass membrane and reference system makes the sensor CIP/SIP and autoclaving resistant (up to 140°C/284°F) offering maximum long-term stability.
- The sensor protects your product quality with its certified biocompatibility according to USP class VI, FDA compliance of wetted parts, VO 1935/2004 compliance, no cytotoxicity, bioreactivity or animal-based materials.
- Maximum process safety through non-contact, inductive signal transmission.
- Reduced operating costs thanks to minimized process downtime and extended sensor lifetime.

Configuration of CPS61E-AA6NTP2:

Approval:	AA	Non-hazardous area
Electrode Type:	6	Hygienic version, zero point pH 7,0, temperature sensor NTC 30k
Application Range:	N	0-14 pH, 0...100oC, 0,8...7 bar (abs) , sterilizable up to 140oC
Reference System:	TP	Pressurized, 1 ceramic junction, ion trap, 3 M KCl, Ag/AgCl
Shaft Length:	2	120mm

Alternative part number: CPS61E-1009/0