

Endress+Hauser Redox sensor CPS12E-AA7GAA2

Digital all-round ORP sensor with low maintenance requirements and long service life.



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

The Memosens CPS12E is a digital ORP sensor that ensures reliable measurements even in demanding environments or high-risk areas. Designed for minimal maintenance and long service life, it features Memosens 2.0 digital technology, which enables extended storage of calibration and process data, ideal for predictive maintenance. The use of Memosens' plug & play principle ensures straightforward operation and maximizes process uptime.

- Robust, low-maintenance ORP sensor: PTFE junction prevents contamination by the medium; extended poison diffusion path avoids poisoning of the electrode reference.
- Ideal for demanding environments: Gold or platinum components cover the entire oxidizing/reducing media; chemically stable shaft glass; pressure stability up to 17 bar (246.5 psi) absolute.
- Memosens 2.0 for enhanced data storage: Enables advanced process/calibration data storage, enabling IIoT services and predictive maintenance.
- Extremely reliable measurement through non-contact signal: Inductive transmission for increased process reliability.
- Reduced downtime and costs: On-site laboratory calibration and fast sensor replacement minimize process interruptions and reduce operating costs.

Configuration of CPS12E-AA7GAA2:

Approval:	AA	Non-hazardous area
Electrode Type:	7	Basic version, temperature sensor NTC 30k
Application Range:	G	Gold, -1500 mV...1500 mV, -15...135oC, 0,8...17 bar (abs)
Reference System:	AA	PTFE ring junction, 3 M KCl, Ag/AgCl
Shaft Length:	2	120mm

Alternative part number: CPS12E-1009/0