

DULCOTEST® Sensors for Peracetic Acid

Reliable online measurement of peracetic acid – with DULCOTEST® sensors.



Graduated measuring ranges 1 – 2,000 mg/l

Our product line of DULCOTEST® peracetic acid sensors provides two types of sensor for different measuring ranges.

Your benefits

- Precise, real-time amperometric measurement for efficient process control
- Amperometric measuring means no clouding or discolouration
- Use of sensors if hydrogen peroxide is present without cross sensitivity
- Use of sensors if dissolved matter, surfactants and film-forming media are present without damage to diaphragm
- Use of sensors under process conditions with CIP (cleaning in place) and rinsers (bottling)
- Stable zero point means no drift

Field of application

- CIP (cleaning in place)
- Bottling
- Disinfection in pharmaceutical and medical technology
- Waste water treatment

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Technical Data

Peracetic Acid Sensor PAA 1-mA

Sensor for the measurement of peracetic acid without cross-sensitivity towards hydrogen peroxide. For use in contaminated washing and waste water

Your benefits

- Measured variable: Peracetic acid, without cross-sensitivity towards the accompanying chemical, hydrogen peroxide
- Diaphragm-covered sensor minimises faults caused by changing flow or ingredients in the water
- Resistance to films of dirt by pore-free diaphragm

Measured variable	Peracetic acid
Reference method	Titration
pH range	1.0 ... 9.0 (peracetic acid stability range)
Cross sensitivity	Ozone, chlorine dioxide, chlorine, bromine
Temperature	1 ... 45 °C
Admissible temperature fluctuation	0.3 °C/min
Response time sensor t_{90}	≈ 3 min
Max. pressure	3.0 bar, (30 °C, in DGM)
Intake flow	30...60 l/h (in in-line probe housing DGM or DLG III)
Supply voltage	16...24 V DC (two-wire technology)
Output signal	4...20 mA ≈ measuring range, temperature-compensated, uncalibrated, not electrically isolated
Selectivity	Peracetic acid selective towards hydrogen peroxide
Installation	Bypass: open sample water outlet
Sensor fitting	DGM, DLG III
Measuring and control equipment	D1C, DAC, AEGIS II
Typical applications	Scouring in Cleaning in Place (CIP), rinsers, also suitable in the presence of cationic and anionic tensides. The selective measurement of peracetic acid and hydrogen peroxide is possible.
Resistance to	Salts, acids, alkalis, surfactants, dirt films
Measuring principle, technology	Amperometric, 2 electrodes, membrane-covered

	Measuring range	Order no.
PAA 1-mA-200 ppm	1...200 mg/l	1022506
PAA 1-mA-2000 ppm	10...2,000 mg/l	1022507

Note: a mounting kit (order no. 815079) is required for initial fitting of the sensors in the in-line probe housing DLG III.