

# DULCOTEST® Sensors for Peracetic Acid

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

**LENNTECH**  
WATER TREATMENT SOLUTIONS



**ProMinent®**

## 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

<b>Measured variable</b>	Peracetic acid
<b>Reference method</b>	Titration
<b>pH range</b>	1.0 ... 9.0 (peracetic acid stability range)
<b>Cross sensitivity</b>	Ozone, chlorine dioxide, chlorine, bromine
<b>Temperature</b>	1 ... 45 °C
<b>Admissible temperature fluctuation</b>	0.3 °C/min
<b>Response time sensor t<sub>90</sub></b>	≈ 3 min
<b>Max. pressure</b>	3.0 bar, (30 °C, in DGM)
<b>Intake flow</b>	30...60 l/h (in in-line probe housing DGM or DLG III)
<b>Supply voltage</b>	16...24 V DC (two-wire technology)
<b>Output signal</b>	4...20 mA ≈ measuring range, temperature-compensated, uncalibrated, not electrically isolated
<b>Selectivity</b>	Peracetic acid selective towards hydrogen peroxide
<b>Installation</b>	Bypass: open sample water outlet
<b>Sensor fitting</b>	DGM, DLG III
<b>Measuring and control equipment</b>	D1C, DAC, AEGIS II
<b>Typical applications</b>	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.
<b>Resistance to</b>	Salts, acids, alkalis, surfactants, dirt films
<b>Measuring principle, technology</b>	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.



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