

# 1.1 Amperometric Sensors DULCOTEST®

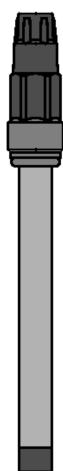


## Hydrogen Peroxide Sensor PEROX

Sensor for the measurement of hydrogen peroxide without cross-sensitivity to chlorine. Can also be used for fast control processes in clear water

### Your benefits

- Measured variable hydrogen peroxide without cross sensitivity to chlorine
- Diaphragm-covered sensor minimises faults caused by changing flow
- Control of fast processes through rapid response time by the sensor in conjunction with fast external temperature measurement for temperature correction
- Reliable measurement even after periods of absence of hydrogen peroxide by pulsed, self-regenerating measuring electrode



P\_DT\_0075\_SW

<b>Measured variable</b>	Hydrogen peroxide
<b>Calibration</b>	Photometric with manual DT3B photometer
<b>Measuring range</b>	1... 20/10 ... 200/100 ... 2000 mg/l switchable
<b>pH range</b>	2.5 ... 10.0
<b>Temperature</b>	0 ... 40 °C
<b>Admissible temperature fluctuation</b>	< 1 °K/min (for external temp. measurement) see operating instructions
<b>Response time sensor t<sub>90</sub></b>	approx. 20 sec
<b>Min. conductivity</b>	With 20 mg/l range: 5 µS/cm With 200 mg/l range: 200 µS/cm Up to 1,000 mg/l: 500 µS/cm Up to 2,000 mg/l: 1 mS/cm
<b>Max. pressure</b>	2.0 bar
<b>Intake flow</b>	30...60 l/h
<b>Supply voltage</b>	16...24 V DC (3-wire system)
<b>Output signal</b>	4...20 mA not temperature-compensated, uncalibrated, not electrically isolated
<b>Selectivity</b>	Hydrogen peroxide selective towards free chlorine
<b>Installation</b>	Bypass: open outlet or return of the sample water into the process line
<b>In-line probe fitting</b>	DGM, DLG
<b>Measuring and control equipment</b>	DAC
<b>Typical applications</b>	Treatment of clear and chemically uncontaminated waters, control with necessary short response times
<b>Resistance to</b>	Salts, acids, alkalis, surfactants, dirt films
<b>Measuring principle, technology</b>	amperometric, 2 pulsing electrodes, diaphragm-covered

	<b>Order no.</b>
<b>PEROX sensor PEROX-H2.10 P</b>	792976
<b>PEROX transducer V1 for D1Ca</b>	1034100
<b>PEROX transducer V2 for DACa and DACb</b>	1047979

Photometer → 2-98

### Accessories

		<b>Order no.</b>
<b>Photometer DT3B hydrogen peroxide</b>	(for calibration)	1039317
<b>Polishing paste</b>	(to electrode cleaning)	559810

