

# 1.1 Amperometric Sensors DULCOTEST®

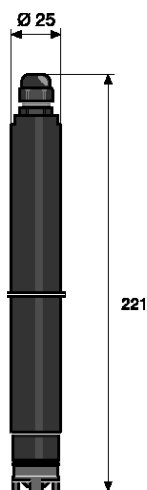


## Ozone sensor OZR 1-mA

Sensor for measuring and monitoring the absence of ozone, also suitable for use in contaminated water. For operation on controllers with 4-20 mA input

### Your benefits

- Measured variable: Ozone, without cross sensitivity to chlorine, hydrogen peroxide
- Diaphragm-covered sensor (encapsulated) minimises faults caused by changing flow or ingredients in the water
- Suitable also for monitoring the absence of ozone (rupture monitoring on filters) and for discontinuous ozone treatment processes
- Resistance to films of dirt by pore-free diaphragm



pk\_6\_039

<b>Measured variable</b>	Ozone (O <sub>3</sub> )
<b>Reference method</b>	DPD4
<b>pH range</b>	4.0 ... 11.0 Stability range of ozone
<b>Cross sensitivity</b>	chlorine dioxide, peracetic acid, bromine, bromamine
<b>Temperature</b>	5 ... 40 °C
<b>Max. pressure</b>	1.0 bar
<b>Intake flow</b>	30...60 l/h (in the DGM or DLG III)
<b>Supply voltage</b>	16...24 V DC (two-wire system)
<b>Output signal</b>	4...20 mA ≈ Measuring range, temperature-compensated, uncalibrated, not electrically isolated
<b>Response time t<sub>90</sub> after 1 month with 0 ppm ozone</b>	<210s
<b>Selectivity</b>	Non-selective
<b>Installation</b>	Bypass: open sample water outlet
<b>Sensor fitting</b>	DGM, DLG III
<b>Measuring and control equipment</b>	D1C, DAC
<b>Typical applications</b>	Potable water, swimming pool water, Process, service or cooling water, monitoring the ozone breakdown of filters
<b>Resistance to</b>	Salts, acids, alkalis, surfactants, dirt films
<b>Measuring principle, technology</b>	Amperometric, 2 electrodes, membrane-covered

	Measuring range	Order no.
<b>OZR 1-mA-2 ppm</b>	0.02...2.0 mg/l	1051647

**Important note:** A mounting kit (order no. 815079) is required for initial fitting of the ozone sensors in the in-line probe housing DLG III.

