

Ozonmat Model 9185



data sheet

Applications

On-line monitoring of dissolved ozone for :

- Drinking water treatment plants
- Pure water production plants
- Industrial rinsing and cooling waters

Features

- Selective measurement of ozone
- Minimal maintenance requirements
- Quick response time
- Low detection limits
- User-friendly menu-based programming
- Two smart analog outputs with automatic recognition of the analyzer status

polymetron

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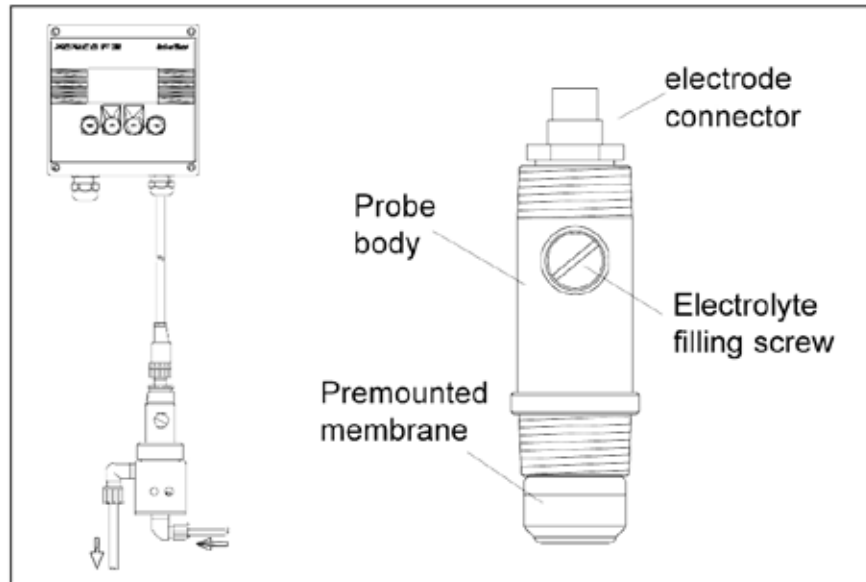
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Specifications

Sample	Temperature Particulates Pressure / flow	0° - 45°C (32° - 113°F) No suspended solids Cell outlet at atmospheric pressure 15-30 l/h (ideal 18 to 22 l/h)
Connections	Sample Drain Power supply Mounting	Tube 4x6 mm P.E. Tube 6x8 mm P.E. 90-265V AC, 50/60Hz, ~25VA Transmitter + probe (10m. cable)
Analysis	Measuring range Repeatability Low detection limit Response time (t=90%) Sample conditioning Ambient temperature Calibration	0 - 2 mg/l O ₃ ± 5 % of measure or < ±5 µg/l O ₃ (whichever is greater) < 2 µg/l O ₃ ~60 sec. none 0 to 45°C (32 to 113°F) Zero: Electrically or with ozone free water Slope: Process using a reference method
Transmitter	Protection CE regulations Analog outputs Analyzer status information Relays Temperature compensation	IP65 / NEMA 4X EN50081, EN50082 (EMC) and IEC61010 (low voltage) Two 0/4 - 20 mA isolated, 800 Ohms load max : For concentration (linear or bilinear) and/or temperature (linear) 4/20 mA outputs programmable to a value between 0 and 21mA during calibration or when system alarm is activated. 4 dry contacts NO/NC (250VAC, 3A / 30VDC, 0.5A max. ohmic load) for : - high/low limits (programmable delay and hysteresis) - system alarm with manual or automatic reset - timer (programmable frequency and sequence) Automatic within the range 0° - 45°C (32° - 113°F)
Options	RS485 Profibus DP Zero cartridge Overflow vessel	300-9600 bauds, 32 stations max. JBUS/MODBUS 9.6 Kbit/s to 12 Mbit/s, 127 stations max. (with repeater) To perform on-line chemical zero calibration To maintain a constant sample flow
Material	Electrodes Measuring cell	Gold cathode/Silver anode PVC (optional 316L stainless steel)
Maintenance	Every 1 to 2 months Every 4 to 8 months	Calibrate Change electrolyte and membrane

