

Oxistat Model 9183



data sheet

Applications

On-line measurement of dissolved oxygen in power plants and ultrapure water.

Features

- Automatic calibration using a Faraday cell :
 - 1 or 2 known additions in the working range ($\mu\text{g/l}$),
 - In-situ method (the probe remains in the process water during calibration)
- Calibration inhibition over a programmable concentration limit,
- Long-life membranes on easy-change retaining caps,
- Very fast response time,
- User-friendly menu-based programming,
- Two smart analogue outputs (measurement/temperature) with automatic recognition of the analyser

polymetron

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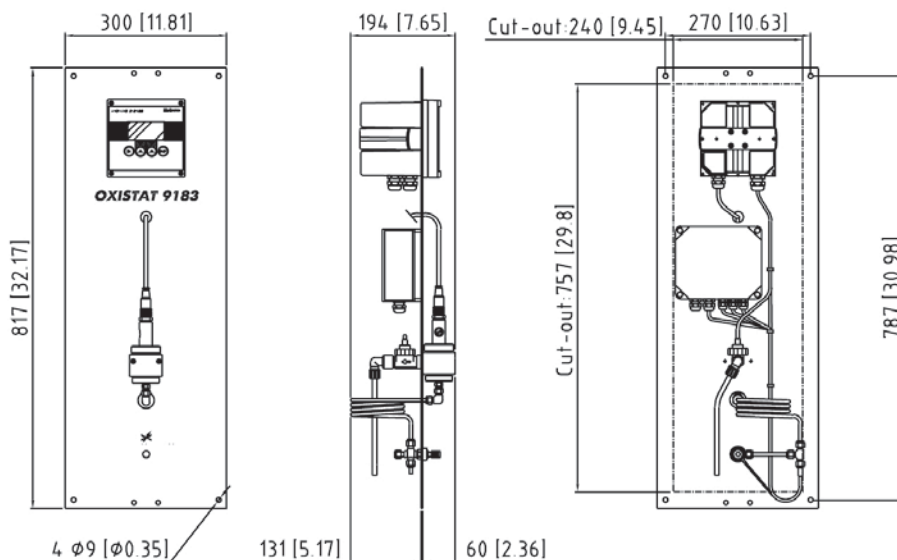


EXCELLENCE IN PROCESS ANALYTICS

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Distributor



Dimensions in mm [in]

Specifications

Sample	Suspended solids Temperature Pression / flow	Free of suspended solids +0° to +45°C (+32°F to + 113°F) 0.1 to 6 bar / 3 to 7 l/h
Connections	Sample Drain Mains Mounting / weighth	Swagelock for 6mm external diameter Fitting for P.E. tubing 6 x 8mm 100 to 240 VAC +/-10%, 50/60Hz, ~35VA Panel / ~12kg (26 lbs)
Analysis	Measuring range Repeatability Detection limit Sensibility Response time (t90%) Ambient temperature Flowrate reading precision Calibration	0 to 1000 ppb dissolved oxygen, programmable < 0.06 ppb or < 1% of reading, whichever is greater < 0.5ppb 0.1 ppb < 60 seconds 0 to +45°C (+32°F to +113°F) +/-1.5 % Zero: Electrically (automatic) or with oxygen free water Slope: Automatic with 1 or 2 oxygen known additions by mean of a Faraday cell
Transmitter	Enclosure protection CE standards Analog outputs Analyzer status Relay outputs Temperature compensation	IP65 / NEMA 4X EN50081, EN50082 (EMC) and IEC61010 (low voltage) 2 x 0/4 to 20 mA fully programmable to a value between 0 and 21mA during calibration or when system alarm is activated 4/20mA ouputs programmable to a value between 0 and 21mA during calibration or when system alarm is deactivated 2 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 to +45°C (+32 to +113°F)
Options	RS485 Profibus DP	300 - 9600 bauds, 32 stations max., JBUS/MODBUS. 9.6 Kbit/s to 12 Mbit/s, 127 stations max. (with repeater).
Material	Electrodes Measurement cell Probe body	Gold cathode/Silver anode Plexiglass Noryl
Maintenance	Every 6 months	Change electrolyte and membrane

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