



## Polymetron 9582 Dissolved Oxygen System with MODBUS Communications, 24 V DC

**Product #:** 9582.99.71P4

**AED Price:** Contact Hach

An integral part of the most complete water analytics system for the Power industry. Hach provides a broad range of product options designed to work together into flexible solutions to meet your unique needs. The comprehensive approach saves you time on design, installation, training, maintenance, and operation.

### Save Time on Design

A single design source and one product platform means you spend less time searching for design files or configuring components. Create and reuse your optimal design templates.

### Accelerate Your Installation

One source, interchangeable electronic components, a common user interface, and one support team make installation faster and less complicated. Quickly and easily transfer user settings between dissolved oxygen loops.

### Reduce Training Complexity

A single platform minimises time required to teach and learn product operations, getting new systems in use faster.

### Simplify Maintenance and Operation

Common menu guides reduce variability and provide step-by-step procedures for maintenance and calibration. Standard visual alerts across parameters notify operators when troubleshooting is required. Start-up and maintenance time are minimised with pre-mounted membrane cap and factory pre-conditioned sensors.

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## Specifications

Analogue output functional mode:	Linear, Logarithmic, Bi-linear, PID
Cable length:	10 m (33 ft)
Calibration method:	Zero: Electrically or with oxygen free water, Slope: in air or against a laboratory measurement
Communication capabilities:	Modbus RS232/RS485
Communication: digital:	MODBUS RS232/RS485, PROFIBUS DPV1, HART optional
Conduit openings:	1/2" NPT Conduit
Connection drain line:	8 mm tubing
Connections:	1/4" NPT thread (6mm or 1/4" tubing advised)
Detection limit:	< 1 ppb
Display:	Graphic dot matrix LCD with LED backlighting, transreflective
Display resolution:	240 x 160 pixels
Display size:	48 x 68 mm
Electrical Certifications:	EMC
	CE compliant for conducted and radiated emissions:

	- CISPR 11 (Class A limits)
	- EMC Immunity EN 61326-1 (Industrial limits)
	Safety
	CAN/CSA C22.2 No. 61010-1
Enclosure waterproof rating:	IP66 / NEMA 4X
Flow rate:	66 - 166
Maintenance interval:	Membrane Lifetime: 6 months depending on sample
Manual languages:	Bulgarian, Chinese (PRC), Croatian, Czech, Danish, Dutch, English, Estonian, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Korean, Lithuanian, Polish, Portuguese (Brazil), Portuguese (Portugal), Romanian, Russian, Slovak, Slovenian, Spanish, Swedish, Thai, Turkish
Material:	Polycarbonate
	Aluminium (powder coated)
	Stainless Steel
Measurements:	0 to 2000 ppb (0-2 ppm)
Measuring range:	0 - 2000 ppb (0-2 ppm)
Operating temperature range:	-20 - 60 °C at 0 - 95% RH (non-condensing)
Power requirements (Voltage):	24 V DC
Relay functions:	Scheduler (Timer), Alarm, Feeder Control, Event Control, Pulse Width Modulation, Frequency Control, and Warning
Relay: Operational mode:	Primary or secondary measurement, calculated value (dual channel only) or timer/scheduler
Relays:	Four electromechanical SPDT (Form C) contacts, 1200 W, 5 A
Repeatability:	± 0.5 ppb or ±5%, whichever is greater
Reproducibility:	± 0.5 ppb or ± 2% whichever is greater
Response time:	For step change 1-40 ppb: <30s
Security levels:	2
Storage conditions:	-20 °C - 70 °C
Temperature compensation:	Automatic in the range of 0 - 45 °C (32 - 113 °F)
Units:	mg/L, ppm, µg/L, ppb, mbar, hPa, inch Hg, mmHg
Weight:	3.2 kg
What's included?:	Controller, mounting hardware, oxygen sensor, temperature sensor, cable, flow-chamber, basic user manual

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