



Polymetron 9586 sc Oxygen Scavenger Analyser

Product #: 9586.99.XXPX
AED Price: Contact Hach

Simple to integrate. Simple to operate.

Online analyser for monitoring hydrazine and carbohydrazide oxygen scavengers.

An integral part of a complete water analytics system designed for the Power industry. A broad range of product options made to work together as flexible solutions 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 components, a common user interface, and one support team make installation faster and less complicated. Quickly and easily transfer user settings between oxygen scavenger analysers.

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. The 9586 sc has a fast response time of less than 60 seconds.

Unlike traditional amperometric techniques that use two electrodes, the Hach 9586 sc oxygen scavenger analyzer uses a three-electrode design; eliminating voltage drift due to the composition of the water. Self-cleaning electrodes reduce maintenance costs and analyser downtime via PTFE beads that prevent deposits on the electrode surfaces.

Specifications

Altitude:	< 2000 m
Analogue output functional mode:	Linear, Logarithmic, Bi-linear, PID
Analogue outputs:	Two (five with optional expansion module) 0/4 to 20 mA isolated current outputs, max 550 Ω , Accuracy: $\pm 0.1\%$ of FS (20 mA) at 25 °C, $\pm 0.5\%$ of FS over -20 to 60 °C
Calibration method:	Zero: electrically, with hydrazine-free water or with optional zero cartridge
	Slope: using a laboratory reference value (e.g. LCW025)
Communication capabilities:	HART
Communication: digital:	Modbus RS232/RS485, Profibus DPV1, Hart optional

Conduit openings:	1/2" NPT Conduit
Connection drain line:	6 x 8 mm (tubing must not exceed 1.22 m and must drain straight down)
Connections:	4 x 6 mm stainless steel tubing
Detection limit:	Drift is negligible; 1 ppb
Dimensions (H x W x D):	817 mm x 300 mm x 228 mm
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
	cETLus safety mark for:
	- General Locations per ANSI/UL 61010-1 & CAN/CSA C22.2. No. 61010-1
Enclosure waterproof rating:	IP66 / NEMA 4X
Flow:	166 - 250 mL/min (10 - 15 L/h) recommended
Maintenance interval:	Monthly: Calibration and reagent refill
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
Measuring range:	0 - 100 ppb carbohydrazide; programmable
Measuring range (2):	0 - 100 ppb carbohydrazide (also known as ELIMIN-OX); programmable
	ELIMIN-OX is a registered trademark of Nalco Chemical Co., Naperville, IL.
Number of channels:	1
Operating temperature range:	5 - 45 °C at 0 - 95% relative humidity (non-condensing)
Power requirements (Hz):	50 - 60 Hz
Power requirements (Voltage):	100 - 240 V AC, 24 V DC
Pressure range:	0.5 - 6 bar (7.2 - 87 psi) or 12 L/h
Reagent:	Sample conditioning with diisopropylamine, ammonia, or diethylamine
Reference system:	Ag/AgCl electrode with electrolyte KCl 0.1 M
Relative humidity:	10 - 90 % relative humidity (non-condensing)
Relay functions:	Alarm, timer/scheduler, feeder control, pulse width modulation, frequency, system alarm
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:	± 2 % or 1 ppb (whichever is greater)
Response time:	< 60 s

Sample requirements:	Sample needs to be free of undissolved matter.
Sample temperature:	5 - 45 °C (41 - 113 °F)
Security levels:	2
Storage conditions:	-20 - 70 °C
Temperature compensation:	5 - 45 °C
Weight:	14.6 kg