



Be Right™



## Hach 9586 sc Oxygen Scavenger Analyzer, 5x 4-20 mA Output, 24 V DC

Product #: 9586.99.79P2

SGD Price: Contact Hach

### Simple to integrate. Simple to operate.

Online analyzer 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.

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## Specifications

Altitude:	< 2000 m
Analog Output Functional Mode:	Linear, Logarithmic, Bi-linear, PID
Analog Outputs:	Two (Five with optional expansion module) 0/4 to 20 mA isolated current outputs, max. 550 Ω, Accuracy: ±0.1% of FS (20 mA) at 25 °C, ±0.5% of FS over -20 °C to 60 °C range
Calibration Method:	a) Zero: electrically, with hydrazine-free water or with optional zero cartridge b) Slope: using a laboratory reference value (e.g. LCW025)
Communication:	Modbus RS232/RS485, Profibus DPV1, Hart optional
Communication Capabilities:	5x 4-20mA Out

Conduit Openings:	1/2" NPT Conduit
Connection Drain Line:	6 x 8 mm (tubing must not exceed 4 feet and must drain straight down)
Connections:	4 x 6 mm stainless steel tubing
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 Rating:	IP66 / NEMA 4X
Flow:	166 - 250 mL/min (10 - 15 L/h) recommended
Lower Limit of Detection (LOD):	Drift is negligible; 1 ppb
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:	Counter-Electrode: Stainless steel; Working Electrode: Platinum
Material Enclosures:	Polycarbonate
	Aluminium (powder coated)
	Stainless Steel
Number of Channels:	1
Operating temperature range:	5 - 45 °C at 0 - 95% RH (non-condensing)
Power requirements (Voltage):	24 V DC
Pressure Range:	0.5 - 6 bar (7.2 - 87 psi) or 12 L/h
Range:	0 - 500 ppb hydrazine; programmable
Range 2:	0 - 100 ppb carbonylhydrazide (also known as ELIMIN-OX); programmable
	ELIMIN-OX is a registered trademark of Nalco Chemical Co., Naperville, IL.
Reagent:	Sample conditioning with diisopropylamine, ammonia, or diethylamine
Reference Type:	Ag/AgCl electrode with electrolyte KCl 0.1 M
Relative Humidity:	10 - 90 % relative humidity (non-condensing)
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:	± 2 % or 1 ppb (whichever is greater)
Response Time T90:	< 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 to 70 °C
Temperature Compensation:	5 - 45 °C
Warranty:	1 year
Weight:	14.6 kg

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## What's in the box?

Controller installed in Panel, Working Electrode, Reference Electrode, Counter Electrode, Diisopropylamine (99%), Basic User Manual

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## Required Accessories

- Diisopropylamine, 99%, 1L (Item 2834453)