



## Polymetron 9523 Specific and Cationic Conductivity Analyser, and pH Calculator with Modbus Communication, 100 - 240 V AC

Product #: 9523.99.01P4  
AED Price: Contact Hach

Hazardous



### Simple to Integrate. Simple to Operate.

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. Hach's comprehensive approach saves you time on design, installation, training, maintenance, and operation. Our cationic conductivity system calculates accurate and reliable pH measurements even in the presence of contaminants such as chlorides, sulfates, nitrates and organic acids that commonly interfere with traditional pH probes.

#### 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. Each sensor has a unique four-digit cell constant determined according to ISO 7888 and ASTM D 1125 standards.

#### 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 analyzers.

#### 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. Low maintenance system is equipped with long-lasting resin which provides visual indication of exhaustion.

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## Specifications

Accuracy:	± 1% of displayed value
Altitude:	< 2000 m
Analogue output functional mode:	Linear, Logarithmic, Bi-linear, PID
Analogue outputs:	0/4 - 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 - 60 °C range
Cell constant:	0.01 cm <sup>-1</sup>
Communication capabilities:	Modbus RS232/RS485
Communication: digital:	Five 4-20 mA Outputs, Modbus RS232/RS485, Profibus DPV1, Hart Communications
Conductivity measurement range:	0.01 - 200 µS/cm
Conduit openings:	1/2" NPT Conduit
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:	83 - 333 mL/min (5 - 20 L/h)
Material:	Polycarbonate
	Aluminium (powder coated)
	Stainless Steel
Measuring range:	7 - 10.7 pH for Sodium Hydroxide
Measuring range conductivity:	Specific Conductivity: 0.01 - 200 µS/cm
Measuring range pH:	7 - 10 pH for Ammonia
Measuring range resistivity:	Specific Resistivity: 5 - 100000 kΩ x cm
Operating temperature range:	0 - 60 °C at 0 - 95 % RH (non-condensing)
Power requirements (Hz):	50/60 Hz
Power requirements (Voltage):	100 - 240 V AC
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
Sample input:	4 x 6 mm diameter tubing
Sample output:	12 x 17 mm diameter tubing
Storage conditions:	-20 - 70 °C
Temperature compensation:	No, Automatic, and Manual
Temperature sensor:	Pt100
	Accuracy: < ± 0.2 °C
Warranty:	24 months
Weight:	15 kg
What's included?:	Panel, Controller, Resin Cartridge, Conductivity Electrodes (2), Basic User Manual

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