



## Lower Maintenance, Less Downtime

### POLYMETRON 9611 sc Phosphate Analyser

Ordernumber: 9611.KTO.PX.XXX

Reliable online phosphate analyser that saves critical time and effort. Available with 1/2/4 channels and including reagent set for startup and up to 90 days of use.

- Low maintenance
- Reduced downtime
- User-defined reagents that meet individual needs
- 90 days of continuous runtime
- Easily verified with our lab products - no time wasted by second-guessing

The industry's only pressurised reagent delivery system eliminates the frequent maintenance associated with pumps. Unplanned downtime is avoided by predictive diagnostic tools, including the PROGNOSYS technology, warning LEDs and high-visibility notification screens.

The analyser can be used with customer-defined reagents or ready-made reagents of our house that are formulated for optimal accuracy and designed with convenient features like colour-coded caps and sealed bottles allowing quick and clean reagent replacement. Only 2 litres of each reagents are required for the analyzer to perform unattended for up to 90 days.

Grab Sample In and Out features allow quick analysis of a grab sample poured into or collect from the analyzer to verify in the lab.

#### Technical Specifications

Accuracy	LR model: $\pm 4 \mu\text{g/L}$ or $\pm 4\%$ of reading, whichever is greater; HR model: $\pm 500 \mu\text{g/L}$ or $\pm 5\%$ of reading, whichever is greater (Tested with Hach reagents)
Alarm	Four relays output; type: not powered SPDT relays, each rated at 5 A resistive, 240 VAC maximum Connection: 18 to 14 AWG wire, 18 AWG stranded recommended
Certifications	CE (EN 61326-1: 2006; EN 61010-1: 2010; EN 60529: 1991, +A1:2000 )  KC (EN 61326-1: 2006)

C-tick (EN 61326-1: 2006)  
cETLus (UL 61010-1: 2012; NEMA 250: 2003; CSA C22.2 No 61010-1:  
2012)

Channels	1, 2, 4; programmable sequence
Controller compatibility	SC 200, SC 1000
Detection limit	LR model: 4 µg/L HR model: 200 µg/L
Dimensions (H x W x D)	804 mm x 452 mm x 360 mm
Enclosure waterproof rating	NEMA 4X/IP56
Fitting	Sample line and sample bypass drain: 6mm (¼-in.) Air purge inlet: 6 mm (¼-in.) Chemical and case drains: 9.5 mm (3/8-in.)
Flow rate	55 - 300 mL/min
Grab sample	Grab Sample In and Grab Sample Out capability
Light Source	Class 1M LED (light emitting diode) with a peak wavelength of 810 nm
Measuring principle	Colorimetric
Measuring range	LR model: 4 - 5000 µg/L as PO <sub>4</sub> ; HR model: 200 - 50'000 µg/L as PO <sub>4</sub>
Operating Temperature Range	5 - 45 °C (41 - 113 °F)
Operating conditions	5 - 95 % non-condensing (indoor use only)
Output	4 - 20 mA
Pollution Degree	2/II
Power Requirements (Hz)	50/60 Hz
Power Requirements (Voltage)	100 - 240 V AC
Protection class	I
Reagent consumption	2 L of each reagent every 90 days with 15 minute cycle time
Relays	Four; type: not powered SPDT relays, each rated at 5 A resistive, 240 VAC maximum
Repeatability	LR model: ±1% HR model: ±500 µg/L or ±5% of reading, whichever is greater
Response time	Typically, 9 minutes at 25°C (77°F); changes with temperature
Sample pressure	2 - 87 psi (to Preset Pressure Regulator)
Sample temperature	5 - 50 °C (41 - 122 °F)

Storage conditions	-20 - 60 °C (-4 - 140 °F)
Warranty	2 years
Weight	20 kg (45lb) without reagents and standards, 36.3kg (80lb) with reagents

Subject to change without notice.