



## Hach 5500sc Phosphate Analyser

**Product #:** 5500.KTO.PX.XXX  
**AED Price:** Contact Hach

### Lower maintenance, less downtime

Reliable online phosphate analyser that saves critical time and effort. Proprietary chemistry only, available with 1/2/4 channels and including reagents set for start up and up to 90 days of use.

### 90 days of continuous runtime

Only two litres of reagent are required for the analyser to perform unattended for up to 90 days; twice as long as the previous analyser versions.

### Save time on maintenance

The industry's only pressurized reagent delivery system eliminates the frequent maintenance associated with pumps.

### Avoid downtime

Predictive diagnostic tools, including Hach's proprietary Prognosys technology, warning LEDs, and high-visibility notification screens let you avoid unplanned downtime.

### Clean, fast and easy reagent change

No more dripping reagents on the instrument, the floor, or your clothing while fumbling with tubes and straws. Simply match the colour-coded cap to the sealed reagent bottle and twist gently.

### Verify easily with Hach Lab products so you don't waste time second-guessing

Grab Sample In and Grab Sample Out features allow quick analysis of a grab sample poured into the analyser, and facilitate taking a sample out of the analyser to verify in a lab test.

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## 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
Alarm:	Four relays output; type: not powered SPDT relays, each rated at 5 A resistive, 240 V AC maximum or Connection: 18 to 14 AWG wire, 18 AWG stranded recommended
Application:	Pure water / Power
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)
Controller compatibility:	SC200, SC1000

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:	IP56 / NEMA 4X
Fitting:	Sample line and sample bypass drain: 6 mm (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
Manual languages:	English, French, Spanish, B. Portuguese, Chinese, Japanese, Korean, Thai, German, Italian, C. Portuguese, Czech, Danish, Dutch, Polish, Swedish, Finnish, Bulgarian, Hungarian, Romanian, Lithuanian, Russian, Turkish, Slovak, Slovenian, Croatian, Greek, Estonian
Measuring principle:	Colorimetric
Measuring range:	LR model: 4 - 3000 µg/L as PO <sub>4</sub> [Detection range capable of 4 - 5000 µg/L as PO <sub>4</sub> ] HR model: 200 - 50000 µg/L as PO <sub>4</sub>
Mounting:	Wall, panel or table
Number of channels:	1, 2, 4; programmable sequence
Operating humidity:	5 - 95 % relative humidity, non-condensing (indoor use only)
Operating temperature range:	5 - 45 °C
Output:	4 - 20 mA
Pollution degree:	2/II
Power requirements (Hz):	50/60 Hz
Power requirements (Voltage):	100 - 240 V AC, 24 V DC
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, 9.5 minutes at 25 °C; changes with temperature
Sample pressure:	0.14 - 6 bar (to preset pressure regulator)
Sample temperature:	5 - 50 °C
Storage conditions:	-20 - 60 °C
Weight:	20 kg without reagents and standards, 36.3 kg with reagents