



## Lower Maintenance, Less Downtime

### HACH 5500 sc Phosphate Analyser

Order number: 5500.KTO.PX.XXX

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
- Low maintenance
- Reduced downtime
- Clean, fast and easy reagent change
- Easily verified with our lab products - no time wasted by second-guessing

With only 2 litres of each reagent the analyser will perform unattended for up to 90 days. That's twice as long as the previous analyser versions.

The industry's only pressurised reagent delivery system eliminates the frequent maintenance associated with pumps. Predictive diagnostic tools, including proprietary PROGNOSYS technology, warning LEDs and high-visibility notification screens avoid unplanned downtime.

Dripping reagents on the instrument, the floor or the clothing are things of the past. The sealed reagents bottles can be easily changed by connecting to colour-coded caps with a gently twist.

Grab Sample In and Out features allow quick analysis of a grab sample poured into the analyzer. The samples are easily taken out of the analyzer to verify in a lab test with our various reliable lab products.

#### Technical Specifications

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#### 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

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#### Alarm

Four relays output; type: not powered SPDT relays, each rated at 5 A resistive, 240 VAC maximum

Connection: 0.82 to 2.08 mm<sup>2</sup> wire (18 to 14 AWG), 0.82 mm<sup>2</sup> stranded (18 AWG) recommended

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|-----------------------------|---|
| Certifications              | CE (EN 61326-1: 2006; EN 61010-1: 2010; EN 60529: 1991, +A1:2000)<br>KC (EN 61326-1: 2006)<br>C-tick (EN 61326-1: 2006)<br>cETLus (UL 61010-1: 2012; NEMA 250: 2003; CSA C22.2 No 61010-1: 2012)  |
| Controller compatibility    | SC 200, SC 1000   |
| Detection limit             | LR model: 4 µg/L<br>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.)<br>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<br>French<br>Spanish<br>B. Portuguese<br>Chinese<br>Japanese<br>Korean<br>Thai<br>German<br>Italian<br>C. Portuguese<br>Czech<br>Danish<br>Dutch<br>Polish<br>Swedish<br>Finnish<br>Bulgarian<br>Hungarian<br>Romanian<br>Lithuanian<br>Russian<br>Turkish<br>Slovak<br>Slovenian<br>Croatian |

Greek  
Estonian

|                              |   |
|------------------------------|---|
| Measuring principle          | Colorimetric  |
| Measuring range              | LR model: 4 - 5000 µg/L as PO <sub>4</sub> ;<br>HR model: 200 - 50000 µg/L as PO <sub>4</sub> |
| Number of channels           | 1, 2, 4; programmable sequence  |
| Operating conditions         | 5 - 95 % 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  |
| 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%<br>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              | 0.14 - 6 bar (2 - 87 psi) (to Preset Pressure Regulator)                                      |
| Sample temperature           | 5 - 50 °C   |
| Storage conditions           | -20 - 60 °C   |
| Warranty                     | 2 years   |
| Weight                       | 20 kg without reagents and standards, 36.3kg with reagents                                    |

Subject to change without notice.

[www.hach-lange.com](http://www.hach-lange.com)

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