

HACH 5500 sc PHOSPHATE ANALYZER

Applications

- Power



Lower Maintenance, Less Downtime

Delivering reliable results that save you critical time and effort.

90 Days of Continuous Run Time

Only two liters of reagent are required for the analyzer to perform unattended for up to 90 days; twice as long as the Series 5000.

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 Prognosis 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 color-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 analyzer, and facilitate taking a sample out of the analyzer to verify in a lab test.



Be Right™

Technical Data*

Measuring Principle	Colorimetric	Number of Channels	1, 2, 4; programmable sequence
Range	LR model: 4-3000 µg/L as PO ₄ [Detection range capable of 4 - 5000 µg/L as PO ₄] HR model: 200-50'000 µg/L as PO ₄	Grab Sample	Grab Sample In and Grab Sample Out capability
Accuracy	LR model: ±4 µg/L or ±4% of reading, whichever is greater; HR model: ±500 µg/L or ±5% of reading, whichever is greater	Mounting	Wall, panel or table
Repeatability	LR model: ±1% HR model: ±500 µg/L or ±5% of reading, whichever is greater	Fitting	Sample line and sample bypass drain: 6 mm (¼-in.) Air purge inlet: 6 mm (¼-in.)
Lower Limit of Detection (LOD)	LR model: 4 µg/L HR model: 200 µg/L	Power Requirements (Voltage)	100 - 240 V AC, 24 V DC
Response Time	Typically, 9.5 minutes at 25 °C (77 °F); changes with temperature	Power Requirements (Hz)	50/60 Hz
Reagent Consumption	2 L of each reagent every 90 days with 15 minute cycle time	Output	4 - 20 mA
Operating Temperature Range	5 - 45 °C (41 - 113 °F)	Dimensions (H x W x D)	804 mm x 452 mm x 360 mm
Operating Humidity	5 - 95 % RH non-condensing (indoor use only)	Enclosure Rating	NEMA 4X/IP56
Sample Pressure	0.14 - 6 bar (2 - 87 psi) (to Preset Pressure Regulator)	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)
Sample Temperature	5 - 50 °C (41 - 122 °F)		
Sample Flow Rate	55 - 300 mL/min		

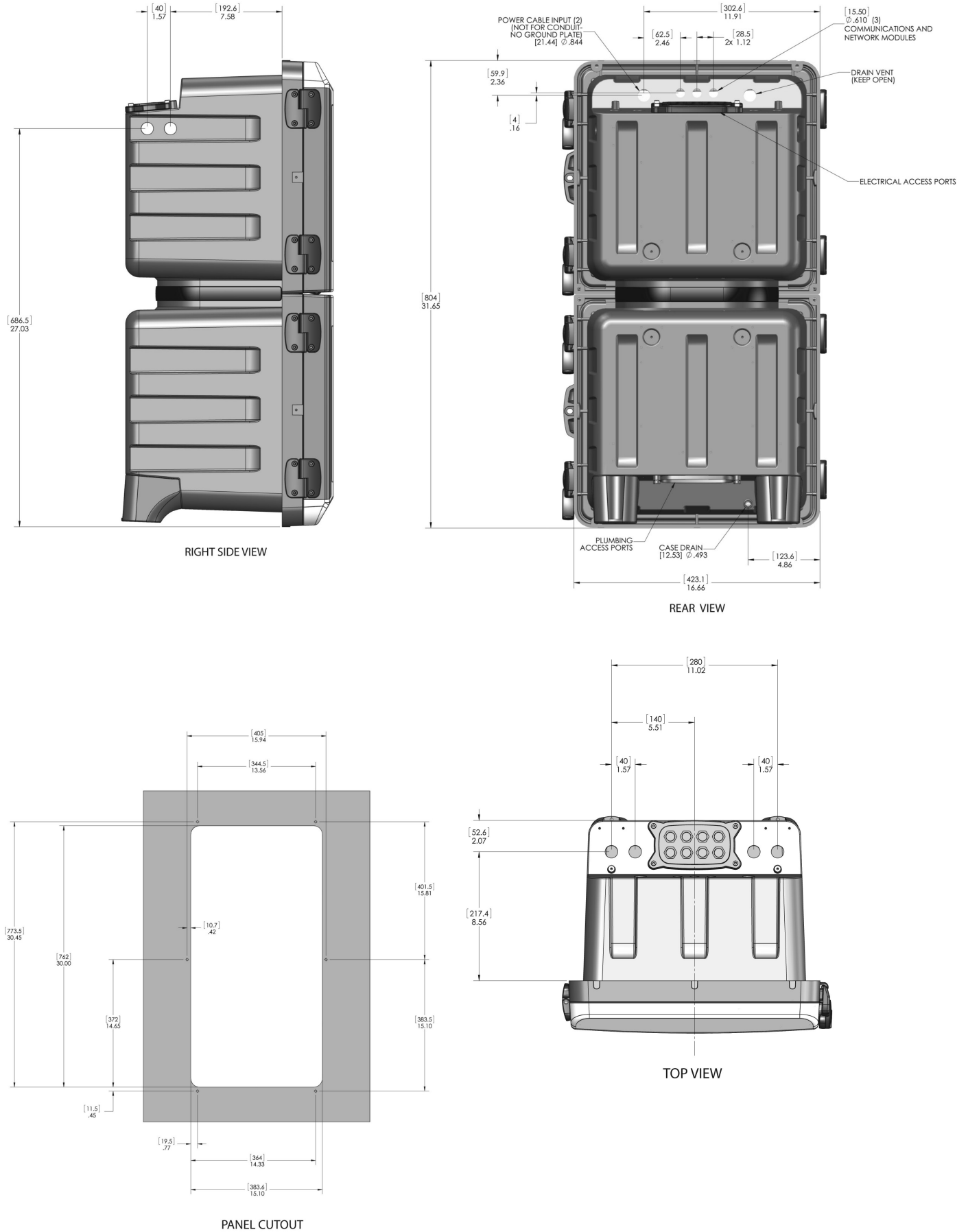
*Subject to change without notice.

Principle of Operation

Low Range Phosphate Analyzer - The LR Phosphate analyzer is a continuous-reading instrument using the ascorbic acid colorimetric method of analysis for measurement of phosphate at a wavelength of 880 nm.

High Range Phosphate Analyzer - The HR Phosphate analyzer is a continuous-reading instrument using the molybdovanadate colorimetric method of analysis for measurement of orthophosphate at a wavelength of 480 nm.

Dimensions



Order Information

Instruments

5500.KTO.PH.A1U	Hach 5500 sc Phosphate High Range Analyzer, Proprietary chemistry only, AC, 1 channel
5500.KTO.PH.A2U	Hach 5500 sc Phosphate High Range Analyzer, Proprietary chemistry only, AC, 2 channels
5500.KTO.PH.A4U	Hach 5500 sc Phosphate High Range Analyzer, Proprietary chemistry only, AC, 4 channels
5500.KTO.PH.D1U	Hach 5500 sc Phosphate High Range Analyzer, Proprietary chemistry only, DC, 1 channel
5500.KTO.PH.D2U	Hach 5500 sc Phosphate High Range Analyzer, Proprietary chemistry only, DC, 2 channels
5500.KTO.PH.D4U	Hach 5500 sc Phosphate High Range Analyzer, Proprietary chemistry only, DC, 4 channels
5500.KTO.PL.A1U	Hach 5500 sc Phosphate Low Range Analyzer, Proprietary chemistry only, AC, 1 channel
5500.KTO.PL.A2U	Hach 5500 sc Phosphate Low Range Analyzer, Proprietary chemistry only, AC, 2 channels
5500.KTO.PL.A4U	Hach 5500 sc Phosphate Low Range Analyzer, Proprietary chemistry only, AC, 4 channels
5500.KTO.PL.D1U	Hach 5500 sc Phosphate Low Range Analyzer, Proprietary chemistry only, DC, 1 channel
5500.KTO.PL.D2U	Hach 5500 sc Phosphate Low Range Analyzer, Proprietary chemistry only, DC, 2 channels
5500.KTO.PL.D4U	Hach 5500 sc Phosphate Low Range Analyzer, Proprietary chemistry only, DC, 4 channels

Each Analyzer comes with a Hach reagents set for start up and up to 90 days of use.

Reagents

6776100	5500 sc Phosphate High Range Reagent Set
2035400	5500 sc Phosphate Low Range Reagent Set

Accessories/Options

6787000	Kit, Retrofit Panel, S5000 to 5500 sc
9179700	Power Cord, North American
6786600	Stainless Steel Sample Adapter Kit
1757700	Stainless Steel Sample Cooler
6792500	Module Kit, Modbus (SC200)
6792600	Module Kit, Profibus (SC200)

Service Options

WRTUPG5500SC	5500 sc WarrantyPlus™ Instrument Protection and Service
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