

Phosphax sc LR Online Phosphate Analyzer

Applications

- Wastewater



Outdoor Analyzer



Indoor Analyzer

High accuracy and stability in low range measurement

Confidence in low range measurement values

The Phosphax sc LR features a new photometer with glass cuvette that results in high stability in low range measurement giving you confidence in your measurement values.

Ensure compliance and lower plant-operating costs

The Phosphax sc LR features a new yellow method with split-reagent dosing, and a new photometer with twice the path length of the Phosphax sc. These features result in high accuracy in low range measurement that help you do just enough treatment to stay compliant and lower plant operating costs at the same time.

Generate actionable insights from measurement data

The Phosphax sc LR is Claros™ enabled so you can leverage the Hach Water Intelligence System to collect, manage and analyze data from your instrument.

Technical Data*

Range	0.015 - 2 mg/L PO ₄ -P
Lower Limit of Detection (LOD)	Using standard solutions: 0.015 mg/L
Accuracy	Using standard solutions: 2% + 0.015 mg/L
Reproducibility	0.7 % + 0.005 mg/L
Response Time	10 min
Measurement Method	Two-beam photometer (yellow method)
Measuring Interval	10 - 120 min
pH Range	5 - 9 pH
Pressure Range	-30 - 50 mbar with continuous sample preparation; at overflow vessel
Permissible Chloride Range	Max Cl ⁻ concentration: 5000 mg/L
Operating Temperature Range	Indoor model: 5 - 40 °C (41 - 104 °F), 95% relative humidity (non-condensing, non-corrosive) Outdoor model: -20 - 40 °C (-4 - 104 °F), 95% relative humidity (non-condensing, non-corrosive)
Sample Temperature	4 - 45 °C (39 - 113 °F)
Sample Quality	Ultra filtrated or comparable
Flow	1.0 - 20.0 L/h
Power Requirements (Voltage)	115 - 230 V AC, powered by Power Box or SC Controller
Power Requirements (Hz)	50/60 Hz
Dimensions (H x W x D)	Indoor model: 720 mm x 540 mm x 370 mm Outdoor model: 720 mm x 540 mm x 390 mm
Cable Length	2 m (80 in) from edge of enclosure
Weight	Without sample preparation system and without chemicals: 29 kg (indoor model) or 31 kg (outdoor model)
Material	ASA/PC UV-resistant
Enclosure Rating	Indoor model: IP54 Outdoor model: IP55

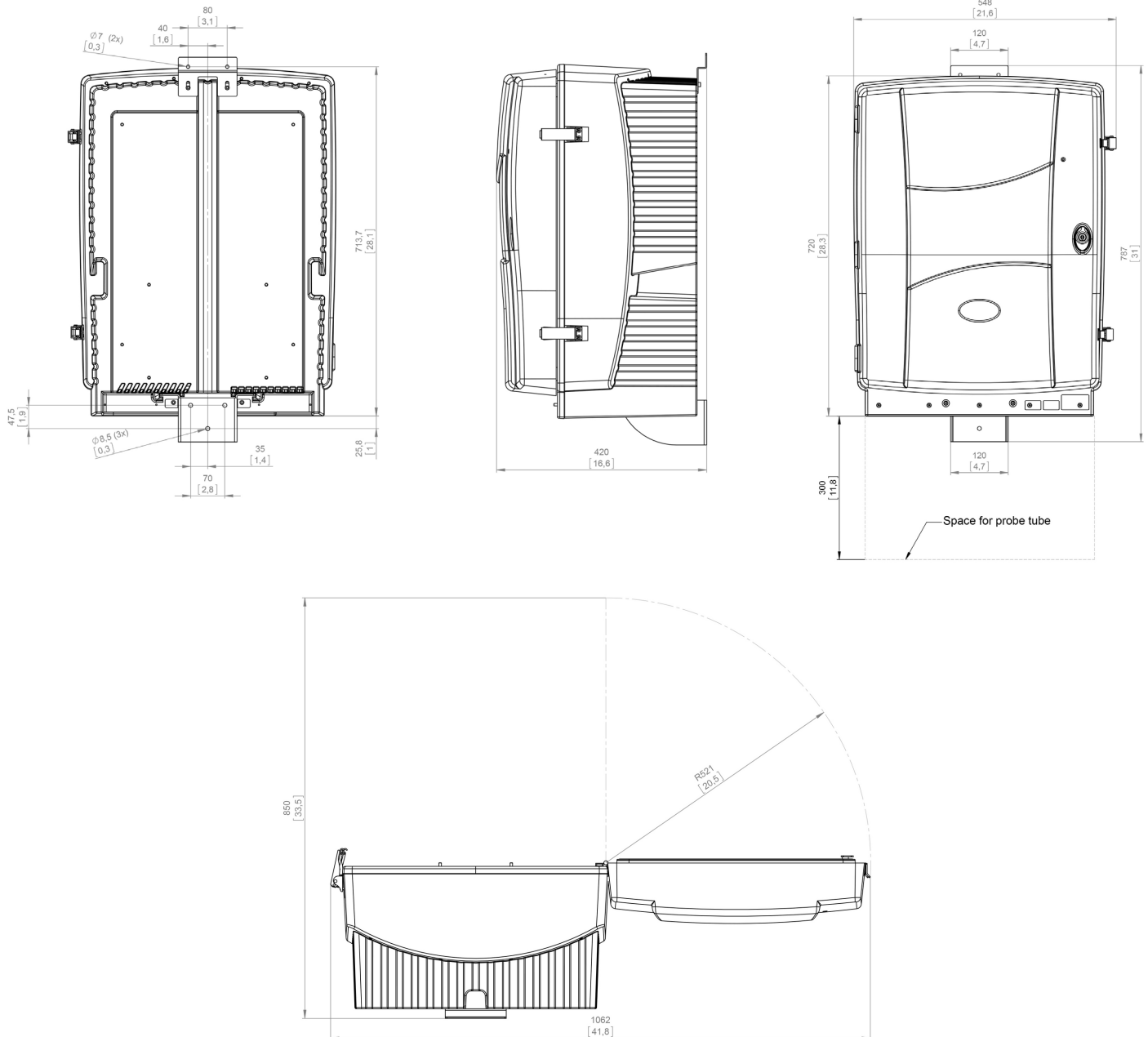
*Subject to change without notice.

Principle of Operation

The Phosphax sc LR measures the sample's Ortho-Phosphate concentration with a two-beam photometer using the highly accurate new yellow method. Glass cuvette in the new photometer unit results in consistent measurements and stable repeatability while the double path length improves accuracy in lower ranges.

Dimensions

In millimeters [inches].



Order Information*

Analyzers

LXV422.99.33001	Phosphax sc LR Online Phosphate Analyzer, Outdoor, 0.015 - 2 mg/L PO ₄ -P, 1-channel
LXV422.99.33011	Phosphax sc LR Online Phosphate Analyzer, Indoor, 0.015 - 2 mg/L PO ₄ -P, 1-channel

Mounting Hardware

LZY316	Rail mounting kit
LZY287	Stand mounting for SC analyzer without controller
LZY286	Stand mounting kit for SC analyzer with SC controller
LZX355	Wall mounting kit
LZY285	Rail mounting kit for SC analyzer with SC controller

Reagents

LCW956	Phosphax sc LR Reagent A
LCW957	Phosphax sc LR Reagent B
LCW955	Phosphax sc LR Reagent Set
LCW958	Phosphax sc LR Standard Solution
LCW959	Phosphax sc LR Cleaning Solution

Accessories

LZY302	Heated drain/connecting hose, 2 m, 230 V
LZY431	Power extension cable for SC1000/SC1500, 5 m, 115 - 230 V AC
LQV155.99.00002	Power box without power connection cable
LQV155.99.00012	Power box with power connection cable

**Part numbers may vary by country.*

Be confident with Hach Service

Start-Up/Commissioning: Our service technicians visit your site and setup instrumentation, provide basic end-user training on operations and maintenance, and validate settings and performance to get you started.

Service Agreement: Hach provides on-site and in-factory repair, preventive maintenance, and calibration programs for your instruments to ensure reliability and instrument up-time. We have services to fit your specific needs.

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