

# Phosphax sc LR Online Phosphate Analyser

## Applications

- Wastewater



*Outdoor Analyser*



*Indoor Analyser*

## 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 analyse data from your instrument.

## Technical Data\*

<b>Measuring range</b>	0.015 - 2 mg/L PO <sub>4</sub> -P
<b>Detection limit</b>	Using standard solutions: 0.015 mg/L
<b>Accuracy</b>	Using standard solutions: 2 % + 0.015 mg/L
<b>Reproducibility</b>	0.7 % + 0.005 mg/L
<b>Response time</b>	10 min
<b>Measurement method</b>	Two-beam photometer (yellow method)
<b>Measuring interval</b>	10 - 120 min
<b>pH range</b>	5 - 9 pH
<b>Pressure range</b>	-30 - 50 mbar with continuous sample preparation; at overflow vessel
<b>Permissible Chloride range</b>	Max Cl <sup>-</sup> concentration: 5000 mg/L
<b>Operating temperature range</b>	Indoor model: 5 - 40 °C, 95 % relative humidity (non-condensing, non-corrosive) Outdoor model: -20 - 40 °C, 95 % relative humidity (non-condensing, non-corrosive)
<b>Sample temperature</b>	4 - 45 °C
<b>Sample quality</b>	Ultra filtrated or comparable
<b>Flow</b>	1.0 - 20.0 L/h
<b>Power requirements (Voltage)</b>	115 - 230 V AC, powered by Power Box or SC Controller
<b>Power requirements (Hz)</b>	50/60 Hz
<b>Dimensions (H x W x D)</b>	Indoor model: 720 mm x 540 mm x 370 mm Outdoor model: 720 mm x 540 mm x 390 mm
<b>Cable length</b>	2 m from edge of enclosure
<b>Weight</b>	Without sample preparation system and without chemicals: 29 kg (indoor model) or 31 kg (outdoor model)
<b>Material</b>	ASA/PC UV-resistant
<b>Enclosure waterproof rating</b>	Indoor model: IP54 Outdoor model: IP55

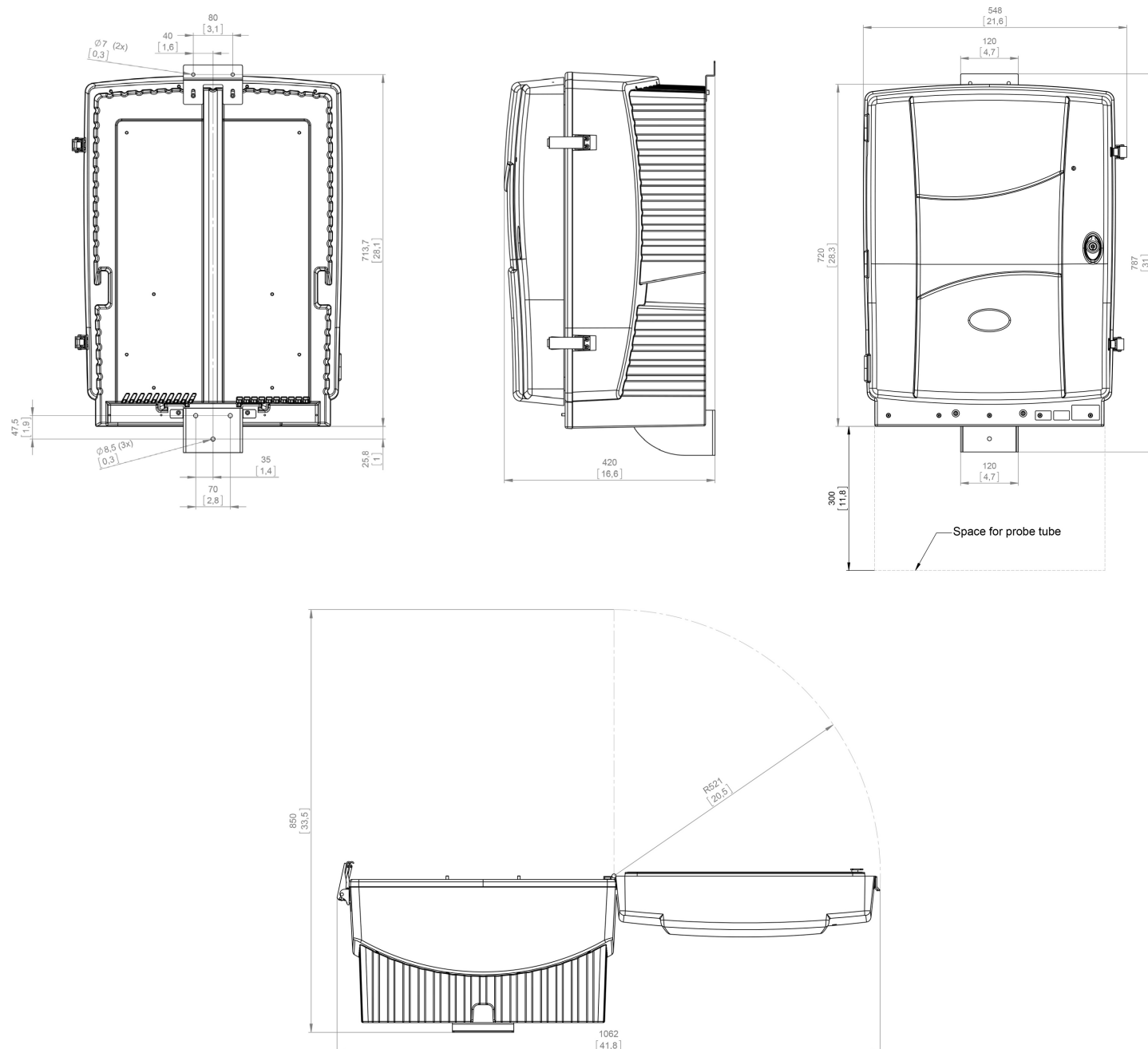
*\*Subject to change without notice.*

## 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 millimetres [inches].



## Order Information\*

### Analysers

<b>LXV422.99.33001</b>	Phosphax sc LR Online Phosphate Analyser, Outdoor, 0.015 - 2 mg/L PO <sub>4</sub> -P, 1-channel
<b>LXV422.99.33011</b>	Phosphax sc LR Online Phosphate Analyser, Indoor, 0.015 - 2 mg/L PO <sub>4</sub> -P, 1-channel

### Mounting Hardware

<b>LZY316</b>	Rail mounting kit
<b>LZY287</b>	Stand mounting for SC analyser without controller
<b>LZY286</b>	Stand mounting kit for SC analyser with SC controller
<b>LZX355</b>	Wall mounting kit
<b>LZY285</b>	Rail mounting kit for SC analyser with SC controller

### Reagents

<b>LCW956</b>	Phosphax sc LR Reagent A
<b>LCW957</b>	Phosphax sc LR Reagent B
<b>LCW955</b>	Phosphax sc LR Reagent Set
<b>LCW958</b>	Phosphax sc LR Standard Solution
<b>LCW959</b>	Phosphax sc LR Cleaning Solution

### Accessories

<b>LZY302</b>	Heated drain/connecting hose, 2 m, 230 V
<b>LZY431</b>	Power extension cable for SC1000/SC1500, 5 m, 115 - 230 V AC
<b>LQV155.99.00001</b>	Power connection box for SC analysers, without power cord
<b>LQV155.99.00011</b>	Power connection box for SC analysers, with power cord

*\*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.