



HI 96713

Phosphate, Low Range, Portable Photometer



PEWA
Messtechnik GmbH

Weidenweg 21
58239 Schwerte

Tel.: 02304-96109-0
Fax: 02304-96109-88
E-Mail: info@pewa.de
Homepage : www.pewa.de

- CAL CHECK™
- User calibration
- Certified calibration and verification standards
- BEPS (Battery Error Prevention System)
- TIMER function
- Auto shut-off
- GLP Features

Phosphates are particularly important for the growth and development of plant roots, and hence are one of the most common fertilizers used in agriculture.

Phosphates are also utilized in detergents and are needed, in small quantities, for heating systems. However, high concentrations of phosphates can cause environmental pollution as they are a primary cause of eutrophication.

For these reasons, it is necessary to closely monitor the phosphate levels present in both municipal and industrial waste water.

The HI 96713 measures phosphate (PO_4^{3-}) content in water, wastewater and seawater in the 0.00 to 2.50 mg/L (ppm) range.

Order Information:

HI 96713 is supplied with sample cuvettes with caps (2), 9V battery and instruction manual.

HI 96713C includes photometer, sample cuvettes with caps (2 ea.), 9V battery, scissors, cloth for wiping cuvettes, instrument quality certificate, instruction manual and rigid carrying case.

Specifications	Accessories	Downloads
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Range	0.00 to 2.50 mg/L
Resolution	0.01 mg/L
Accuracy	± 0.04 mg/L $\pm 4\%$ of reading @ 25°C
Light Source	Tungsten lamp
Light Detector	Silicon photocell with narrow band interference filter @ 610 nm
Method	Adaptation of the ascorbic acid method.
Environment	0 to 50°C (32 to 122°F); max 95% RH non-condensing
Battery Type	9V battery
Auto-Shut off	after ten minutes of non-use in measurement mode; after one hour of non-use in calibration mode; with last reading reminder
Dimensions	192 x 104 x 69 mm (7.6 x 4.1 x 2.7")
Weight	360 g (12.7 oz.)