710 - 8515

HI 93713 & HI 93717

Phosphate Meters

Phosphate are particularly important for the growth and development of plants' roots, and hence are one of the most common fertilizers used in agriculture. In addition, phosphate are usually utilized in detergents and are needed, in small quantities, for heating systems. However, a high concentration of phosphate can cause environmental pollution, for example, they are a primary cause of eutrophication. For these reasons, it is necessary to monitor the phosphate levels present in both civil and industrial waste water. In order to cater to the different needs, the Hanna Phosphate meters have been designed to cover the following ranges: from 0.00 to 2.50 mg/l (HI 93713); and from 0.0 to 30.0 mg/l (HI 93717). Both meters are supplied ready to be used in the field.

- **Ease of handling.** The meters have been designed to be comfortably hand-held. They weigh less than 300 grams (10 oz.), and are thus ideal for in-the-field measurements.

- **Ready for use.** HI93713 and HI93717 are supplied with their respective reagent for 30 tests, two glass cuvets with caps, cap to close the measuring hole, 9 V battery and instruction manual.

- **Long battery life.** Low battery warning and auto shut-off guarantee a long trouble-free operation of the meters. The battery needs only be replaced after 300 tests.

SPECIFICATIONS	HI 93713 PHOSPHATE, LOW RANGE METER	HI 93717 PHOSPHATE, HIGH RANGE METER
RANGE	0.00 to 2.50 mg/l	0.0 to 30.0 mg/l
ACCURACY	0.04 mg/l ±4% F.S.	1 mg/l ±4% F. S.
RESOLUTION	0.01 mg/l	0.1 mg/l
LIGHT SOURCE	Light Emitting Diode	
LIGHT LIFE	Life of the instrument	
LIGHT POWER SOURCE	Silicon Photocell	
BATTERY	9V Battery	
BATTERY LIFE	Approx. 300 tests	
ENVIRONMENT TEMP R.H.	0 to 50°C (32 to 122°F) 0 to 95% RH (non-condensing)	
WEIGHT	290 grams (10 oz.)	
DIMENSIONS	180 x 83 x 46mm (7.1 x 3.3 x 1.8")	

Reagents

HI 93713-01	100 Tests	Low Range
HI 93713-03	300 Tests	Low Range
HI 93717-01	100 Tests	High Range
HI 93717-03	300 Tests	High Range