

HI 93732N

Dissolved Oxygen



Dissolved Oxygen Meter

Dissolved oxygen is needed for the survival and growth of fish, vegetation, bacteria and aquatic organisms.

The absence of oxygen permits anaerobic decay of organic matter and the production of toxic material in water.

Low levels of oxygen are normally indicative of serious pollution in fresh and ground water.

In man's environment, water must contain at least 2 mg/L of oxygen to protect water pipes from corrosion.

On the other hand, D.O. can be associated with corrosive and photosynthetic activity and as a result, it must be excluded from boiler feedwater.

The **HANNA** instruments® HI 93732N is a custom-made, microprocessor colorimetric D.O. meter.

Pre-standardized reagents are supplied in liquid form for higher speed and accuracy.

To take a measurement, simply zero your sample and oxidize it with the liquid reagents. Then, place the cuvet inside the meter and read D.O. from 0 to 10 mg/L in tenths of ppm.

Specifications

HI 93732N (Dissolved Oxygen)

Range	0.0 to 10.0 mg/L
Resolution	0.1 mg/L
Accuracy (@20°C/68°F)	±0.2 mg/L ±3% of reading
Light Source	LED (Light Emitting Diode) 470 nm
Light Life	Life of the instrument
Light Detector	Silicon Photocell
Battery Type / Life	1 x 9V / approx. 40 hours of continuous use; Auto-off after 10 minutes of non-use
Environment	0 to 50°C (32 to 122°F); RH max 95% non-condensing
Dimensions	180 x 83 x 46 mm (7.1 x 3.3 x 1.8")
Weight	290 g (10 oz.)
Method	Modified Winkler Method. The reaction between dissolved oxygen and the reagent causes a yellow tint in the sample

Accessories

HI 710009	Shockproof rubber boot, blue	HI 731325	Cuvet cap (4 pcs)
HI 710010	Shockproof rubber boot, orange	HI 93732-01	Reagent kit for 100 tests (D.O.)
HI 731318	Tissue for wiping cuvetts (4 pcs)	HI 93732-03	Reagent kit for 300 tests (D.O.)
HI 93703-50	Cuvet cleaning solution (230 mL)	HI 740038	60 mL glass bottle and stopper
HI 731321	Measuring cuvet (4 pcs)		

Ordering Information

HI 93732N is supplied complete with 60 mL BOD bottle, 2 cuvetts, caps, 9V battery and instructions.

For a comprehensive list of accessories, see sections U and V