

DISSOLVED OXYGEN ANALYSER

PE 135

PRODUCT SPECIFICATION SHEET



Table Top



LED Display



DO Probe



SALIENT FEATURES

- ▷ Highly Sensitive & Stable
- ▷ Manual Temperature Compensation

APPLICATIONS

NATURAL WATER

To ensure the state of dynamic equilibrium of D O maintained by biochemical depletion by bacteria for the food chain and continue reoxy-generation by aeration and photosynthesis and thus the availability of right amount of DO which is vitally important for flora and fauna in water. To detect Pollution - lower level of DO (normal 7.1ppm) will adversely affect the aquatic life.

SEWAGE WASTES

To ensure biochemical break down treatment of sewage which is achieved by bacterial attack which requires DO . Non availability of DO leads to increase activity of anaerobic, sulphate reducing bacteria resulting in production of hydrogen sulphide causing serious corrosion problem.

MICROBIAL STUDIES

To study effect of drugs on the brain tissues, other organs/limbs, circulation system, muscle and connective tissues, malignant tissues and surface.

AGRICULTURE

To ensure sufficient aeration in soil needed for underground respiration of plant roots in addition to photosynthesis.

FOODS & DRUGS

To ensure oxidation is not adversely affecting the food stuffs. To ensure D O requirements for fermentation in foods, distilleries and Bio-Synthetic preparations in Drugs & Chemicals.

BOILER FEED WATER

To ensure proper level of DO to avoid oxidative corrosion of Boiler pipes in steam generation, heaters etc.



Water



Food & Beverages



Pharmaceutical



Soil



Chemical



Research



Agriculture



Mines & Geology

SPECIFICATIONS

DISSOLVED OXYGEN		TEMPERATURE	
Range	0 to 20 ppm	Range	0 to 100 °C
Accuracy	± 0.1 ppm	Accuracy	± 0.1 °C
Repeatability	± 0.1 ppm	Repeatability	± 0.1 °C

PROBES		RECORDER OUTPUT
Dissolved Oxygen	Polarographic type	10 mV/ppm into 10 K Ohm resistive load
Temperature	Semiconductor type	

DATA PRESENTATION		POWER REQUIREMENT
Readout	3½ digit 7 segment LED of 12.7mm height	230 V ± 10% AC, 50 Hz, 1φ, 10 VA Max.

PHYSICAL DIMENSIONS		ACCESSORIES SUPPLIED
Size (WxDxH) in mm	310 x 215 x 140	With Instrument DO Probe, Gas Permeable Membranes, Thermo Probe, Sample containers, Stirrer GI 631 with Probe Stand & Holding Clamp and Stirrer Capsules.
Weight (in kg)	Approx. 3	

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