

PE 135

PRODUCT SPECIFICATION SHEET

# Dissolved Oxygen Analyser



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 DO 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 7.1 ppm ) 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

Range	0 to 20 ppm
Accuracy	± 0.1 ppm
Repeatability	± 0.1 ppm

## TEMPERATURE

Range	0 to 100 °C
Accuracy	± 0.1 °C
Repeatability	± 0.1 °C

## PROBES

Dissolved Oxygen	Polarographic type
Temperature	Semiconductor type

## RECORDER OUTPUT

10 mV/ppm into 10 K Ohm resistive load

## DATA PRESENTATION

Readout	3½ digit 7 segment LED of 12.7mm height
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## POWER REQUIREMENT

230 V ± 10% AC, 50 Hz, 1φ, 10 VA Max.

## PHYSICAL DIMENSIONS

Size (WxDxH) in mm	310 x 215 x 140
Weight (in kg)	Approx. 3

## ACCESSORIES SUPPLIED

With Instrument	DO Probe, Gas Permeable Membranes, Thermo Probe, Sample containers, Stirrer GI 631 with Probe Stand & Holding Clamp and Stirrer Capsules.
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