

SALIENT FEATURES AND BENEFITS

- 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 continued re oxy-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 effects 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 photo synthesis.

● **FOODS & DRUGS**

To ensure oxidation is not adversely affecting the food stuffs. To ensure DO 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.

SPECIFICATIONS

PARAMETER

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

READOUT	3½ Digit 7 segment LED display of 12.7 mm height
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RECORDER OUTPUT	10mV / ppm into 10K Ohm resistive load
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* For detailed specifications contact ELICO Corporate office / Branches
* Specifications subject to change due to continual development