




DISSOLVED OXYGEN ANALYSER MS DO 246


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
RECORDER OUTPUT	
	10mV / ppm into 10K Ohm resistive load

* Specifications subject to change due to continual development