

#### DISSOLVED OXYGEN ANALYSER MS DO 246

# Salient features and benefits



Highly sensitive & stable

Manual Temperature Compensation

## APPLICATIONS

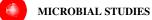




To ensure the state of dynamic equilibrium of DO maintained by biochemical deplection by bacteria for the food chain and continued re oxy-generation by aeration and photosynthesis and thus the availability of right amount of DO which is vitally important for flora and fauna in water. To detect pollution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



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.



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

### Specifications

#### **PARAMETER**

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.

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	10mV / ppm into 10K Ohm resistive load