

DISSOLVED OXYGEN METER-DO 950



Dissolved Oxygen (DO) is a critical parameter for monitoring water quality and controlling biological treatment processes. Maintaining the right oxygen level is essential for efficient biological treatment, healthy aquatic environments, and optimized aeration energy consumption.

The DO-950 Dissolved Oxygen Meter provides reliable online monitoring of dissolved oxygen in water and liquid processes. Designed for continuous measurement and process control, it helps operators maintain optimum oxygen levels while reducing manual monitoring and unnecessary energy consumption



DO 950

Range: 0.05 to 20.00 ppm
Resolution: 1.00

WHY CHOOSE THIS METER

Our meter combines cutting-edge sensor technology with rugged, all-weather durability. Engineered for maximum reliability with minimal upkeep, it delivers instant, accurate data.

- **TRACEABILITY** Designed with reference to national standards
- **ADVANCED SENSOR TECHNOLOGY** Powered by Optical fluorescence technology for fast response times without flow dependency or warm-up delay
- **FLEXIBLE COMMUNICATION** 4–20mA and RS-485 outputs for integration with automation systems
- **EFFORTLESS MAINTENANCE** Long-life design drastically reduces calibration frequency and eliminates tedious sensor maintenance
- **MANUAL/AUTOMATIC** relay reset options
- **AUTOMATIC ENVIRONMENTAL COMPENSATION** Built-in temperature compensation guarantees true readings in fluctuating field conditions

APPLICATIONS



Biological Wastewater Treatment (Activated Sludge Process)
Used in activated sludge process to monitor dissolved oxygen level, ensuring optimal aeration for microbial activity and efficient treatment



Boiler Feedwater
Used in boiler feedwater to monitor dissolved oxygen and help prevent corrosion and oxygen-related damage in the boiler system



Disinfection & Test/Odor Control (ozonation)
DO meter is used in ozonation to monitor dissolved oxygen levels, ensuring effective disinfection, oxidation and odor control.



Chemical Oxidation & Removal (Aeration Tower/Spray Aerator)
Used in aeration towers/spray aerators to monitor oxygen transfer, ensuring effective oxidation and removal of dissolved contaminants from water



Reservoir Management
Used in reservoir management to monitor dissolved oxygen levels, helping maintain water quality and prevent anaerobic conditions

DO meter			
GENERAL	Make	ASTER	
	Transmitter Model No	DO-950	
	Sensor Model No	DO sensor	
SERVICE CONDITION	Fluid	Water	
	Operating Pressure,	Not meant for pressurized line	
	Operating Flow	30 to 60 LPH	
	Operating Humidity	95 % RH Non condensing	
	Operating Temperature	60°C	
TRANSMITTER	Type	Microprocessor based	
	Enclosure-MOC	ABS (Acrylonitrile butadiene styrene)	
	Enclosure Protection	Weather proof IP-65	
	Overall size	105 X 105 X 130 mm	
	Cutout size	91 X 91 mm	
	Mounting	Field/Panel	
	Power Supply	110 V to 230 V A.C.	
	Analog Output	4-20 mA	
	Serial communication	RS 485 MODBUS RTU	
	Display	16 X 2 Alphanumeric LCD display	
	Set point	Individual high & low set points	
	Relay rating	2 nos SPDT 5 A 230 V AC	
	Programming	All parameters to be programmed through keypad on front panel	
	Electrical Connection	5 X PG7 glands	
	Calibration Range	00.0 to 20.0 mg/L	
	Accuracy	+/- 2 % FSD	
	Resolution	0.1	
	Repeatability	0.1 mg/L	
	Power consumption	10 watt	
	Load Impedance	250 ohms	
SENSOR	Shaft Material	Corrosion-resistant plastics, stainless steel	
	Measuring Type	Fluorescence measurement method	
	Process Connection	3/4" NPT M	
	Mounting	Non pressurized online	
	Cable length	5 meter	
SENSOR HOLDER	End connection	Tank mount application	
	MOC	PVC	

Available with Your Trusted Partner for Water Treatment Solutions:

