

TURBIDITY METER TB 950



Turbidity is a key indicator of water quality. It measures the cloudiness or loss of transparency caused by suspended particles in water. Continuous turbidity monitoring helps operators detect process disturbances, ensure filtration performance, and maintain consistent water quality.

The **TB-950 Turbidity Meter** is designed for reliable online monitoring of turbidity across water and wastewater treatment applications. With *high/low alarm control, programmable delay, adjustable hysteresis, in-built diagnostics, 4-20 mA & RS-485 communication*, the TB-650 provides dependable monitoring and process control.

WHY CHOOSE THIS METER



TB 950

Range: 0.05 to 50.00 NTU
Resolution: 0.01

Our meter combines state-of-the-art IR / UV measurement with rugged, field-ready durability. Engineered to deliver fast, stable readings without stray light interference, it empowers your team to make confident decisions on the spot.

- **TRACEABILITY** Designed with reference to national standards
- **RAPID RESPONSE, ZERO DRIFT** Smart optical sensors stabilize instantly, eliminating guesswork and dramatically speeding up routine testing cycles
- **FLEXIBLE COMMUNICATION** 4–20 mA and RS-485 outputs for integration with automation systems
- **IN-BUILT ALARM ANNUNCIATOR** It's a facility to acknowledge high/low fault condition and reset relays by pressing the acknowledge key
- **MANUAL/AUTOMATIC** relay reset options
- **RUGGED & INTUITIVE DESIGN** A bright backlit display paired with an ergonomic, splash-proof housing makes testing effortless, even in harsh field environments

APPLICATIONS



Drinking Water Plants

Monitors water clarity to ensure filtration systems are working and to meet regulated safety standards



UF Plants

To continuously monitor feed/product water turbidity and ensure effective pretreatment and protection of the UF membranes from suspended solids



Industrial Effluent & Wastewater

Ensures that the water being discharged back into the environment meets legal compliance and doesn't contain excess particulate matter



Industrial Processes

Monitors cooling and boiler water in factories to prevent equipment scaling and maintain operational efficiency

TURBIDITY meter			
GENERAL	Make	ASTER	
	Transmitter Model No	TB-950	
	Sensor Model No	Turbidity 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	00.5 to 50.0 NTU	
	Accuracy	+/- 2 % FSD	
	Resolution	0.1	
	Reepeatability	0.1 NTU	
	Power consumption	10 watt	
	Load Impedance	250 ohms	
SENSOR	Shaft Material	Corrosion-resistant plastics	
	Measuring Type	90° scattered light principle	
	Process Connection	3/4" NPT M	
	Mounting	Non pressurized online	
	Cable length	5 meter	
SENSOR HOLDER	End connection	Inlet	8 mm tubing
		Outlet	8 mm tubing
	MOC	PVC	

Available with Your Trusted Partner for Water Treatment Solutions:



Workshop: 14-15, Panchratna Industrial Estate, Opp Satyam Mall, Sumip Composite-3 Lane, B/h VR Pilsulfate, Changodar-382213

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