



## TurbiTech D-ISO Turbidity Sensor

**THE TURBITECH D-ISO SENSOR HAS BEEN SPECIFICALLY DESIGNED TO MONITOR FINAL TREATED, POTABLE AND FILTER WATER. THIS EXTREMELY SENSITIVE SENSOR CAN MEASURE CHANGES IN TURBIDITY OF LESS THAN 0.01 NTU.**

### RELIABLE

- The flow-through cell design captures stray light to ensure a stable zero point.
- The automatic self-cleaning mechanism prevents the build up of fouling in and around the chamber, making it the benchmark for low-range turbidity measurement.
- The global standard light-scatter technique makes the sensor sensitive to a wider range of particle sizes.

### LOW-MAINTENANCE

- Low-maintenance operation, with no tools or training required.
- To calibrate, use either a wet turbidity standard or the dry calibration reference cell supplied with the sensor.
- The reference cell provides an extremely easy, repeatable method of checking sensor performance without the cost and inherent errors associated with chemical standards.

### ISO COMPLIANT

- The sensor complies with the internationally recognized ISO7027 standard for turbidity measurement.

### FULLY SUPPORTED

- We provide total field support



- Technical support is just a phone call away.

### Applications:

- RAW WATER
- PROCESS CONTROL
- FINAL WATER MONITORING
- FILTERED WATER
- FILTER BACKWASH CONTROL
- CLARIFIER SUPERNATANT

GENERAL			
<b>TurbiTech D-ISO Sensor</b>			
DIMENSIONS	300mm (11.8 in) x 185mm (7.2 in) x 128mm (5 in) (HxWxD)	CABLE TYPE	4 core, 2 twisted pair 5 mm outside diameter, polyurethane coated
WEIGHT	3.9kg (inc 5m of cable)	CABLE LENGTH	5 m as standard, other lengths can be supplied on request
PROTECTION CLASS	IP65	SERVICE REQUIREMENT	Wiper replacement annually as required (application dependent)
CABLE ENTRIES	Integral Cable Gland	OPERATING TEMPERATURE	0 to 50°C
WETTED PARTS	Black acetal, Polypropylene, Nylon, Chrome Plated Brass, Spectrosil 2000, Nitrile	POWER SUPPLY	12VDC from monitor
PROCESS CONNECTIONS	Inlet and drain: ½ in BSP with 12 mm hosetail Outlet: ¼ in BSP with 5 mm hosetail	SENSOR OUTPUT	ModTech - RS485
RANGE	ACCURACY	LIMIT OF DETECTION	MINIMUM OPERATING RANGE
0 TO 30 NTU	± 2% of measured value or ± 0.02 NTU whichever is greater	0.02 NTU	0 - 3 NTU
0 TO 200 NTU	± 2% of measured value or ± 0.1 NTU whichever is greater	0.5 NTU	0 - 20 NTU
MEASUREMENT			
MEASUREMENT PRINCIPLE	90° Light Scatter, ISO 7027 Compliant	FLOW RATE	0.5 L/min to 3 L/min
PRESSURE RATING (MAX)	2 Bar	UNITS	NTU, FTU, FNU
It has been assumed that 1 NTU = 1 FTU = 1 FNU for purposes of this document			
Warranty	2 Years		