



TurbiTechw² D-ISO

Turbidity Sensor

PRODUCT DATASHEET

APPLICATIONS

Raw Water
Process Control
Final Water Monitoring
Filtered Water
Filter Backwash Control
Clarifier Supernatant

MEASUREMENT PRINCIPAL

90° Light Scatter
ISO 7027 Compliant

FEATURES

Dry Secondary Standard
Ultra Low Back Scatter
Auto-Clean Sensor

COMPATIBLE MONITOR

7300w² Monitor

ACCESSORIES

De-Bubbler



Building on the success of the TurbiTechw² LR sensor and by continually striving to improve and expand our product range Partech is proud to introduce the new TurbiTechw² D-ISO sensor. The D-ISO is a natural evolution in terms of development and offers our customers an improved user experience in all areas.

The TurbiTechw² D-ISO was developed using valuable feedback from existing customers and incorporates that feedback into its use and function.

It uses 40 years of sensor design to produce a new sensor that captures stray light to ensure a stable zero point.

A new automatic self cleaning mechanism that prevents the build up of fouling in and around the chamber making this the bench mark for low range turbidity.

It's an extremely sensitive sensor can detect changes in Turbidity of less than 0.01 NTU. It's global standard of light scatter technique makes the sensor sensitive to a wider range of particle sizes.

The sensor requires very little maintenance, with no tools or training required. Calibration can be carried out against either a wet Turbidity standard or using the dry calibration reference cell that is supplied with every sensor. The reference cell provides an extremely easy, repeatable method of checking the performance of the sensor, without the cost and inherent errors associated with chemical standards.

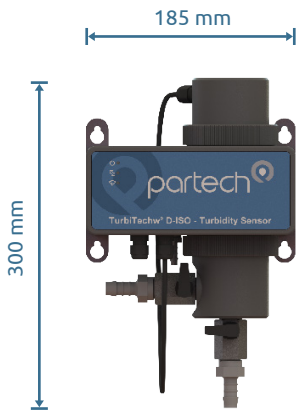
Call us on + 44(0) 1726 879800 www.partech.co.uk



TurbiTechw² D-ISO

Turbidity Sensor

PRODUCT SPECIFICATION



Order Codes

Part No	Description
227981	TurbiTechw ² D-ISO Sensor (Range: 0-30 NTU, Cable Length: 5 metres)
229948	TurbiTechw ² D-ISO Sensor (Range: 0-200 NTU, Cable Length: 5 metres)

Publication No: 229660DS-Iss04

The company reserves the right to alter the specification without prior notice. E&OE

Physical

Dimensions

Weight

Protection Class

Cable Entries

Wetted Parts

Process Connections

Cable Type

Cable Length

Service Requirement

300 x 185 x 128 mm (HxWxD)

3.9 kg (inc 5 m of cable)

IP65

Integral cable gland

Black acetal, Polypropylene, Nylon, chrome plated brass, Spectrosil 2000, nitrile

Inlet and drain: 1/2" BSP with 12 mm hosetail

Outlet: 1/4" BSP with 5 mm hosetail

4 core, 2 twisted pair 5 mm outside diameter, polyurethane coated

5 metres as standard, other lengths can be supplied on request

Wiper replacement annually as required (application dependent)

Environmental Data

Operating Temperature

0 to 50°C

Interface to Monitor

Power Supply

Sensor Output

12VDC from monitor

ModTech - RS485

Measurement

Range

Low Range 0-30 NTU

High Range 0-200 NTU

Accuracy

± 2% of reading or 0.02 NTU (Low Range)

± 2% of reading or 0.1 NTU (High Range)

Measurement Principle

90° Light Scatter, ISO 7027 Compliant

Pressure Rating (Max)

2 bar

Flow Rate

0.5 L/min to 3 L/min

Units

NTU, FTU, FNU

It has been assumed that 1 NTU = 1 FTU = 1 FNU for purposes of this document

Mounting

Installation Type

Wall or surface

Call us on + 44(0) 1726 879800 www.partech.co.uk



Address: Rockhill Business Park, Higher Bugle, St Austell, Cornwall PL26 8RA, UK E: info@partech.co.uk