Process Turbidity Sensor with Modbus output MBRTU-TBD

SKU: MBRTU-TBD

Doc No: MBRTU-TBD-DS-EN-10

Introduction

MBRTU-TBD is a general purpose in-line (continuous measurement) Turbidity sensor offering affordable sensor application coverage for many water applications such as drinking water, industrial water, aquaculture, tank installations or related applications. Output is Modbus RTU for easily integrating with any PLC, controller, SCADA, BMS or IoT gateway.

- Optical Technology;
- Wide measurement range;
- Standard ModbusRTU output;
- Plug & Play.

Typical Applications

MBRTU-TBD can be used for Turbidity monitoring in the following applications

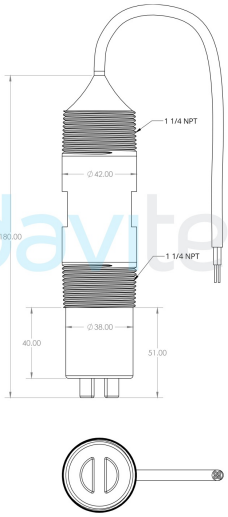
- Drinking water;
- Waste water;
- Industrial water;
- Aquaculture;
- ...

PROCESS TURBIDITY SENSOR WITH MODBUS OUTPUT
MBRTU-TBD



MBRTU-TBD-H1.PNG

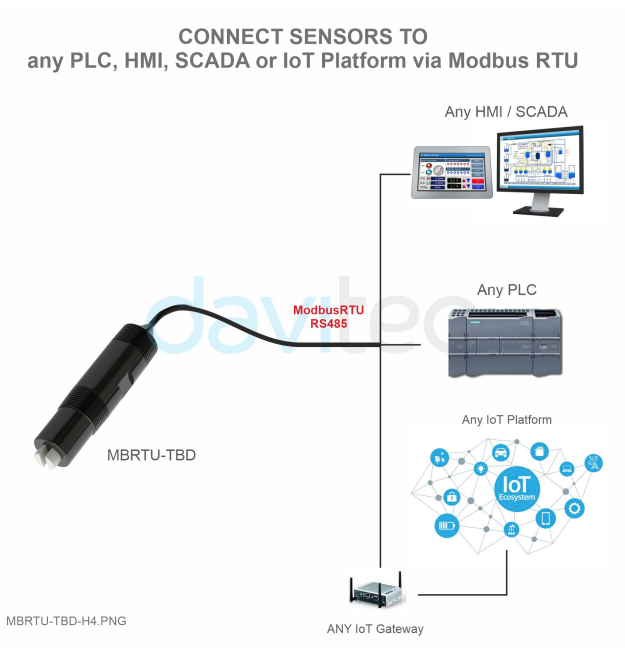
DIMENSION DRAWING OF MBRTU-TBD
(Unit: mm)



MBRTU-TBD-H2.PNG



MBRTU-TBD-H3.PNG



MBRTU-TBD-H4.PNG

Specification

Sensing Technology	Optical method
Measuring range	0 .. 4000 NTU
Resolution	0.1
Linearity	+/- 1.0
Working temperature	0 .. 60 oC
Working pressure	0 .. 60 psig
Process connection	1-1/4" NPT both ends
Wetted parts	POM, PP
Sensor Cable	6m
Rating	IP68
Output	RS485, ModbusRTU protocol, max 19200 baud
Power supply	9..36VDC, avg. < 200mA
Dimension	D42 x 180 (mm)
Net weight	<200 grams

Ordering Code

Item code	**Descriptions**
MBRTU-TBD-01	PROCESS TURBIDITY SENSOR, 0-4000NTU, IP68, 1-1/4" NPT SUBMERSIBLE, RS485 MODBUSRTU OUTPUT, 9-36VDC
Accessories	
RS485-FM12-USB-1	RS485 FEMALE M12 4-PIN, CODING A TO USB CABLE WITH POWER ADAPTER 12VDC/2.0A FOR CONFIGURATION

** Configuration cable for pH sensor, Windows' software is free. Contact our sales for more information.*

⚠ Link to download datasheet: https://filerun.daviteq.com/wl/?id=Vi3MZ6SxQuCOrkStJkXKH1xWBiAJZ8VV

⚠ Link for manual:

Daviteq Technologies Inc

www.daviteq.com | info@daviteq.com

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