

ProCon® — TB800 Series Turbidity Sensor with Controller

ICON™ Corrosion-Free
PROCESS CONTROLS Instrumentation Equipment™



TB800 Series
Turbidity Sensor

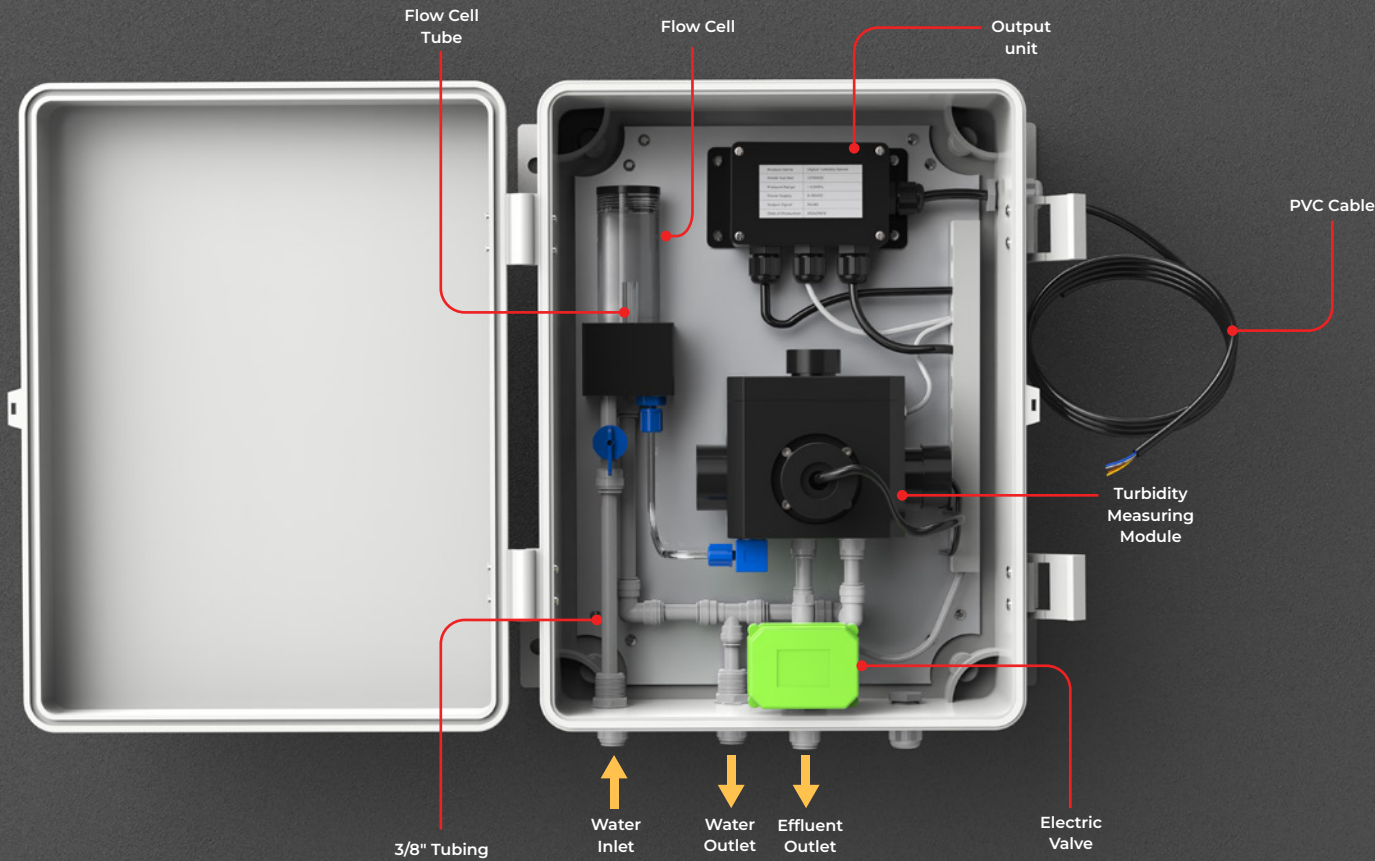


TB800 Series
Turbidity Controller

Advanced Turbidity Monitoring for Reliable Water Quality Management

ProCon® — TB800 Series

Turbidity Sensor with Controller



Features

- ✓ 0-20NTU | 0-100NTU | 0-200 NTU Turbidity Range Options
- ✓ Electric Valve with Auto Clean Programming
- ✓ LCD Display Controller
- ✓ 4-20mA | RS485 Controller Outputs
- ✓ 3 Relay Outputs for Alarm Configurations

Revolutionizing Turbidity Detection with Infrared Technology

The Procon® TB800 Series Turbidity Sensor utilizes advanced infrared scattered light technology to deliver accurate turbidity measurements. As infrared light passes through the test sample, its scattering intensity directly correlates with the sample's turbidity.

Equipped with a 90° scattered light receiver, the sensor analyzes this intensity to determine precise turbidity values. Ideal for diverse applications, it ensures reliable monitoring in sewage plants, water plants, water stations, surface water, and various industrial processes.

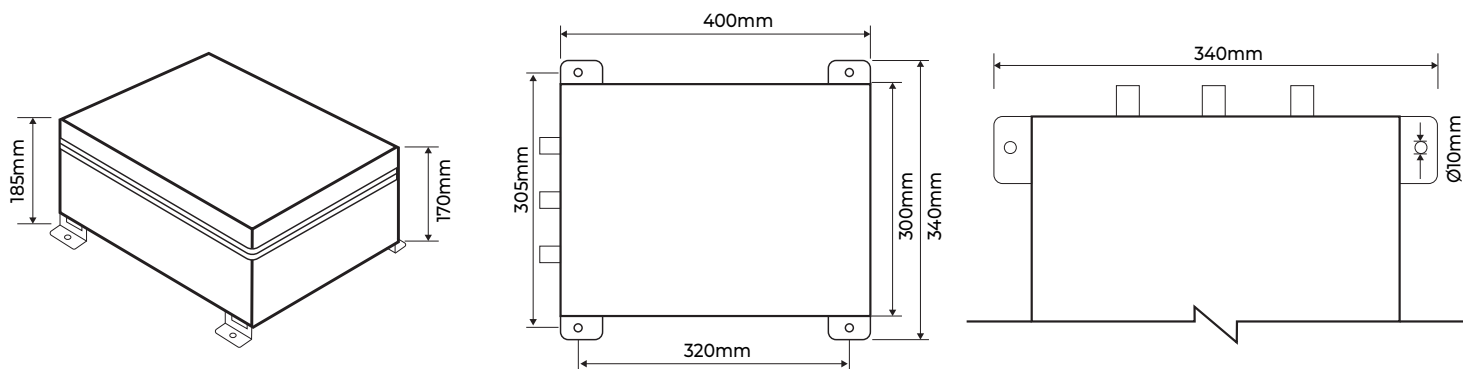
Specifications

Model No.	TB800	TB801	TB802
Range	0-20NTU	0-100NTU	0-200NTU
Flow Rate	300ml/min ~ 500ml/min 4.75 GPH ~ 7.92 GPH		
Power Supply	9-36VDC		
Accuracy	±2%		
Pressure Range	≤43.5psi		
Operating Temp.	32 - 113°F 0 - 45°C		
Output	MODBUS RS485		
Resolution	0.001 NTU 0.01 NTU 0.1 NTU 1 NTU ; Based on Measured Range		
Protection Class	IP65		
Tubing	3/8" PE tubing		
Dimensions	400 x 300 x 170 mm		

ProCon® — TB800 Series

Turbidity Sensor with Controller

Sensor Dimensions



Wiring

Connect the wires from the turbidity sensor to the controller as follows:

Wire Color	Description
Red	+9-36 VDC
Black	-VDC
Green	RS485A
White	RS485B
Blue	Relay
Yellow	Relay



Model Selection

Part Number	Turbidity Range	Description
TB800	0-20NTU	Turbidity Sensor + Controller
TB801	0-100NTU	Turbidity Sensor + Controller
TB802	0-200NTU	Turbidity Sensor + Controller