

# Mottech Turbidity Sensor

**Mottech Turbidity Sensor It is an advanced sensor, accurate and easy to use and install.**

The Turbidity Sensor is an instrument which uses optical principle to measure the degree of turbidity of water. Turbidity is caused by suspended particles in water.

The suspended particles reflect the incident light. Usually, the scattered light in the direction of 90° is used as the test signal, so the unit tested is called NTU. This method is suitable for testing low to medium range, ranging from 0.01 to 4000FNU.



## Features and Benefits

**On-line & real-time monitoring**



**With temperature compensation**



**Easy operation and high reliability**



**No external module, a whole design**



**High accuracy**



## Applications



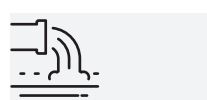
**Agriculture irrigation**



**Water quality monitoring**



**Environmental protection**



**Sewage treatment**

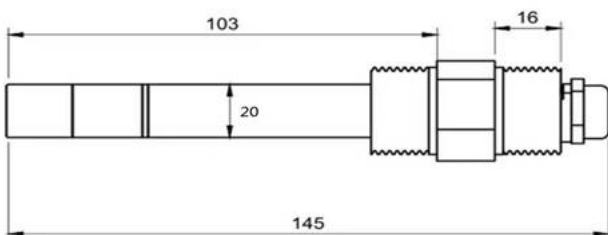


# Mottech Turbidity Sensor

## Technical specification

	Technical Specification
<b>Range</b>	0-100NTU,0-1000NTU,0-4000NTU
<b>Accuracy</b>	±1%FS
<b>Resolution</b>	0.1%
<b>Supply</b>	12-24VDC
<b>Output</b>	4-20 mA, RS485 (MODBUS)
<b>Measurement accuracy</b>	±2.5%±1.8NTU(0~100NTU)
<b>Pressure resistance</b>	<0.4MPa
<b>Measuring principle</b>	optical
<b>Power consumption</b>	<0.2W
<b>Operating temperature</b>	0-+60°C
<b>Wavelength of falling radiation</b>	860nm
<b>Spectral band width</b>	<60nm
<b>Diapason choosing</b>	automatically
<b>Dimension</b>	Ø20*145mm
<b>Main material</b>	316L
<b>Ingress protection</b>	IP68
<b>Storage</b>	10-60°@20%-90%RH
<b>Cable length</b>	5m default
<b>Code</b>	M.SENS-72-A

## Dimensions



## Electrical Connections

Cable	RS485/ Current
<b>Red</b>	V+
<b>Blue</b>	V-
<b>Yellow</b>	RS485 A
<b>Green</b>	RS485 B
<b>Black</b>	Signal 4-20mA