

TUR2000 sensor serie allows you to measure turbidity with 90° infrared scattering light. The measurement signal is transmitted through a 4...20mA current loop.

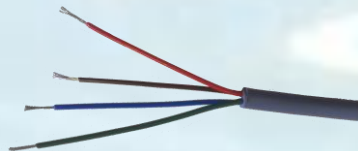
### 1. Technical main features

Measurement range	0...10NTU 0...20NTU	TUR2010 TUR2020
Output signal	4-20 mA passive	
Power supply	12 to 36 VDC isolated	
Current loop supply range	7,5V + (R(Load) x 0,02A) Maximum: 36VDC	
Input/Output insulation	10 <sup>9</sup> Ω minimum	
Measurement unit	Nephelometric Turbidity Unit (NTU)	
Accuracy	0.05NTU	
Response time	<60s	
Material	PVC Noir	
Dimensions	105x125x170mm	
Weight	1600gr	
Max pressure:	2 bars (29psi)	
Usage temperature:	0 à 50°C	
Storage temperature:	-10 à 60°C	
Moisture	90% max, without condensation	
Max altitude:	<2000m	

### 2. Wiring

The sensor fit with a 4 wires cable:

Red: supply (12~36VDC)  
 Narrow: supply (0V)  
 Blue: current loop 4...20mA  
 Green: current loop 4...20mA



Connect this wires to your controller according the polarity.

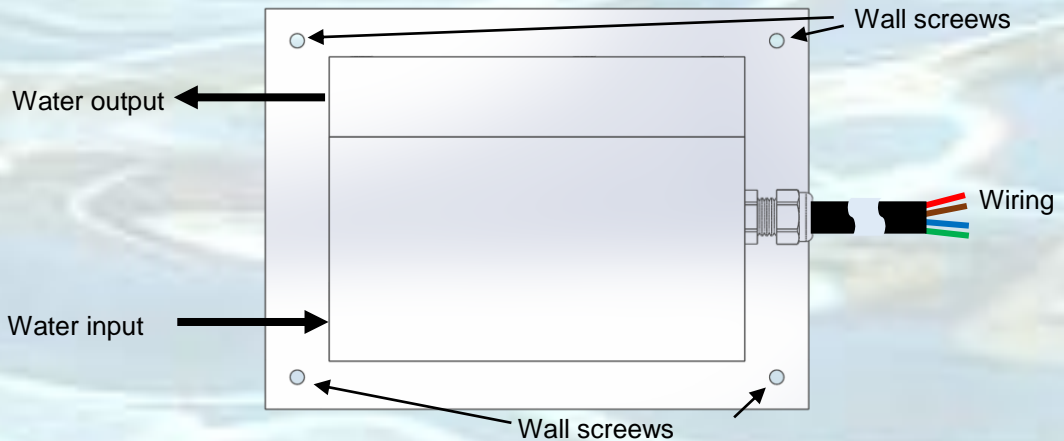


**Note :** current loop output and power supply are galvanically isolated

### **3. Installation**

Sensor must be put to the wall using four screws. Take care the sensor is horizontally mounted and up-down direction has be respected.

Hydraulic connection must be done using two pipes, input at the bottom and output at the top.



### **5. Maintenance**

Periodic cleaning must be done into the measurement sensor housing. To do it you must stop the water flowing, open the sensor and clean the glass pipe.

### **6. Out of service**

During out of service period it recommended to unplug to sensor and keeping it dry.

### **7. Warranty**

You have a 1 year warranty on your sensor at shipment date. The warranty voided in case of bad usage or installation. Warranty can be done only after factory expertise.