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## Datasheet

### Turbidity Meter

SIN-PTU200

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**Datasheet****Turbidity Meter  
SIN-PTU200****Turbidity Sensor**

The sensor, based on the infrared absorption scattered light method and combined with the application of ISO7027 method, can guarantee the continuous and accurate detection of turbidity. Based on ISO7027, infrared double scattering light technology will not be affected by chroma for the measurement of turbidity value. According to the usage environment, self-cleaning function can be equipped with. It assures the stability of data and reliability of performance; with the built-in self-diagnosis function, it can make sure the accurate data be delivered; besides, the installation and calibration is quite simple.

**Turbidity Transmitter**

The transmitter can be used to display data measured by the sensor, so the user can get the 4-20mA analog output by transmitter's interface configuration and calibration. And it can make relay control, digital communications, and other functions a reality. The product is widely used in sewage plant, water plant, water station, surface water, farming, industry and other fields.





## Wiring

Figure 1 is the preview of internal wiring of the transmitter. Table 1 is the wiring signal of the transmitter.

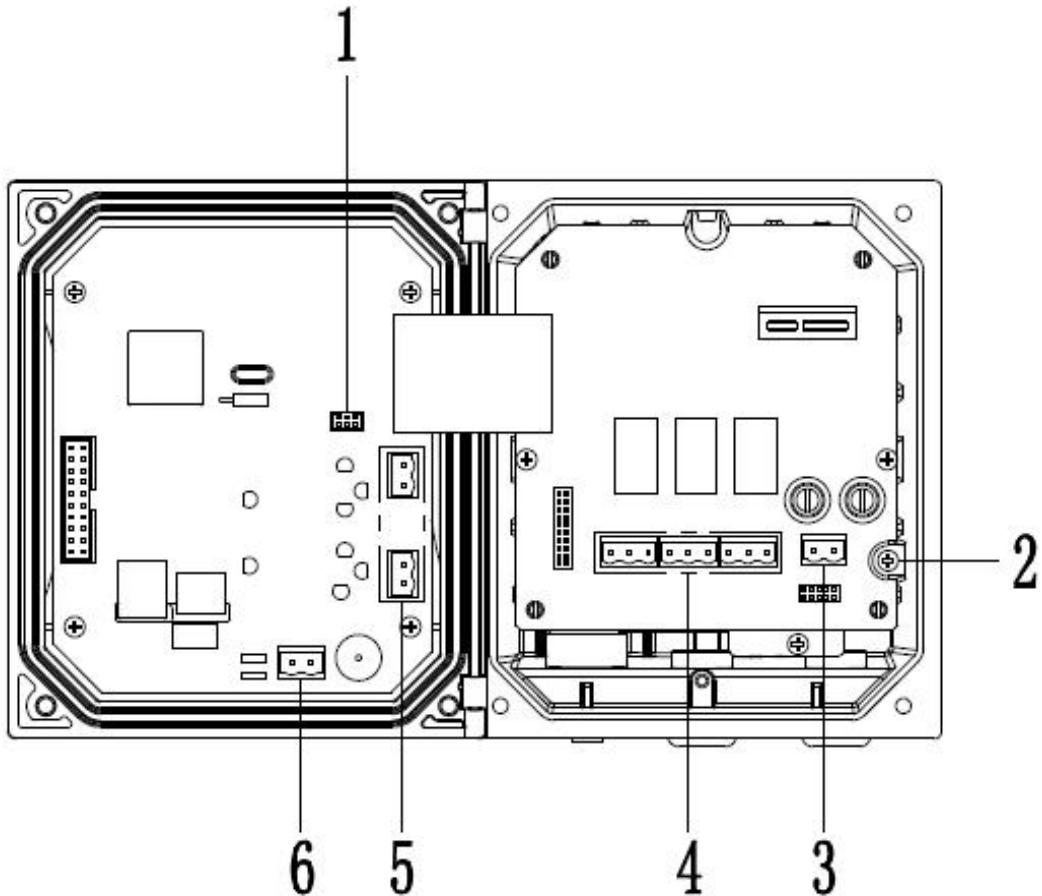


Figure 1 Preview of the Wiring

Table 1 Wiring Signal of the Transmitter

1- sensor interface	2- grounding
3- power supply interface	4- three-way relay
5- 4-20mA two-way interface	6- 485 communication interface

The transmitter can use AC220V power supply. Please operate in strict accordance with the wiring instructions.

For the sake of safety and relevant electrical specification, there should be a local disconnect design, and it shall be suitable for all installation types. The connection mode of the power cord is shown as figure 2.

To ensure the safety in use, please be sure to be grounded.

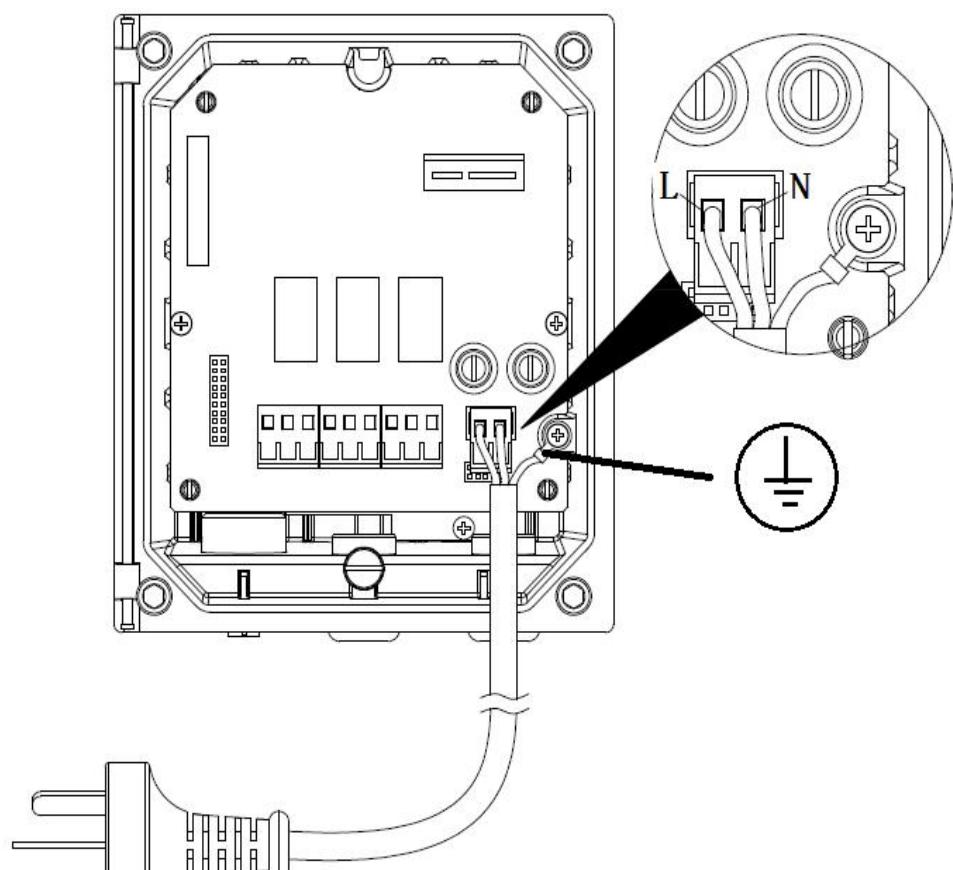


Figure 2 Power Supply Wiring

The transmitter is equipped with three-way relay, and the main measurements or temperature response can be set up. Each relay can be configured individually for timing or alarming, moreover the relay switch and relay response values can also be set. Please be sure to disconnect the power supply, while wiring. The connection mode of the relay is shown as figure 3.

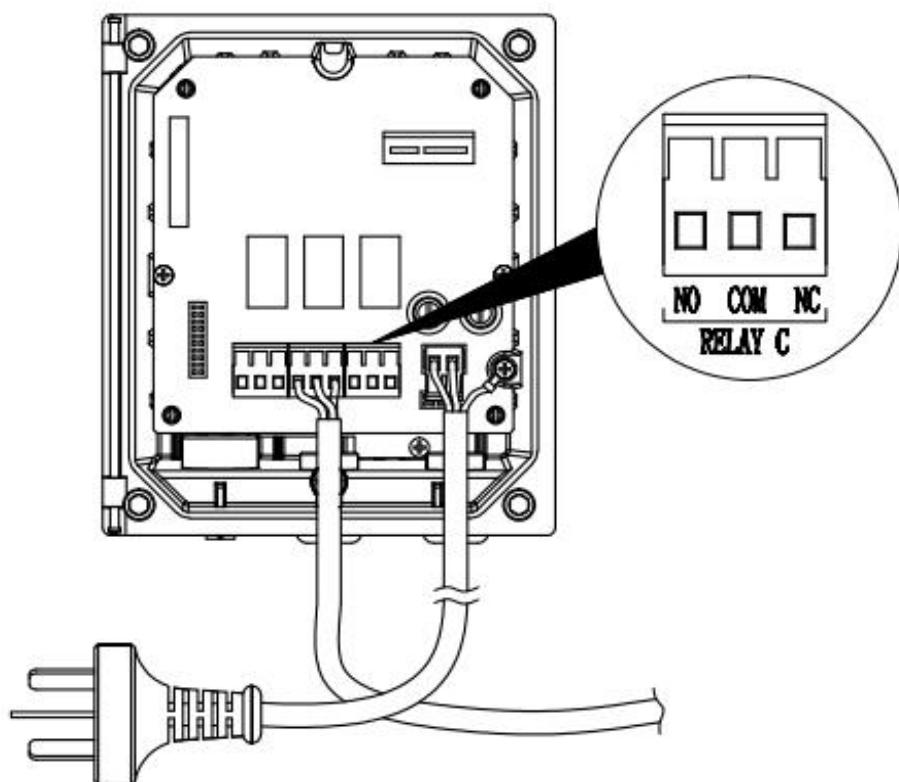
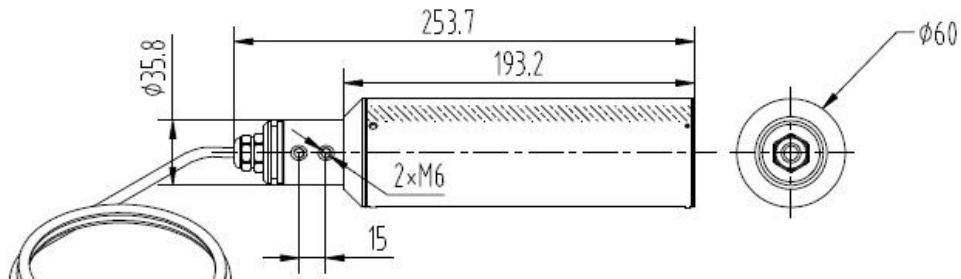


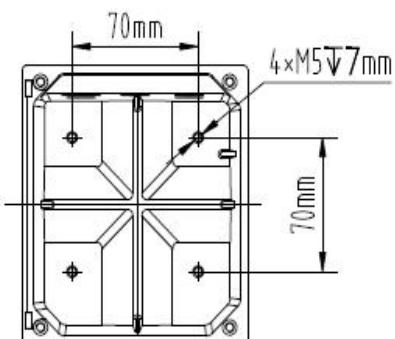
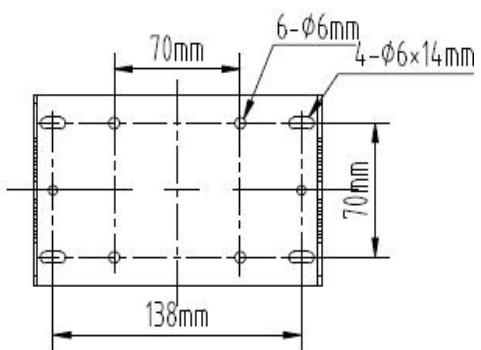
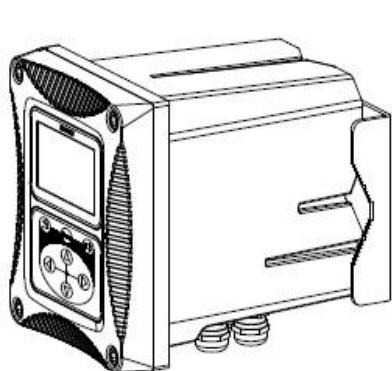
Figure 3 Relay Wiring

## Dimension

Turbidity Sensor



Turbidity Transmitter



**Ordering code**

SIN-PTU200-1-E-6-2-C						Description
SIN-PTU200	-	-	-	-	-	
Input Channel	1					1-Channel
	2					2-Channel
Output		E				3-channel 4-20mA+RS485
Alarm Output			6			3-channel SPST
Electrical Interface				2		M16×1.5 Cable Gland
Power Supply					C	24VDC
					E	220VAC