

KWS-652 Online Ozone Sensor

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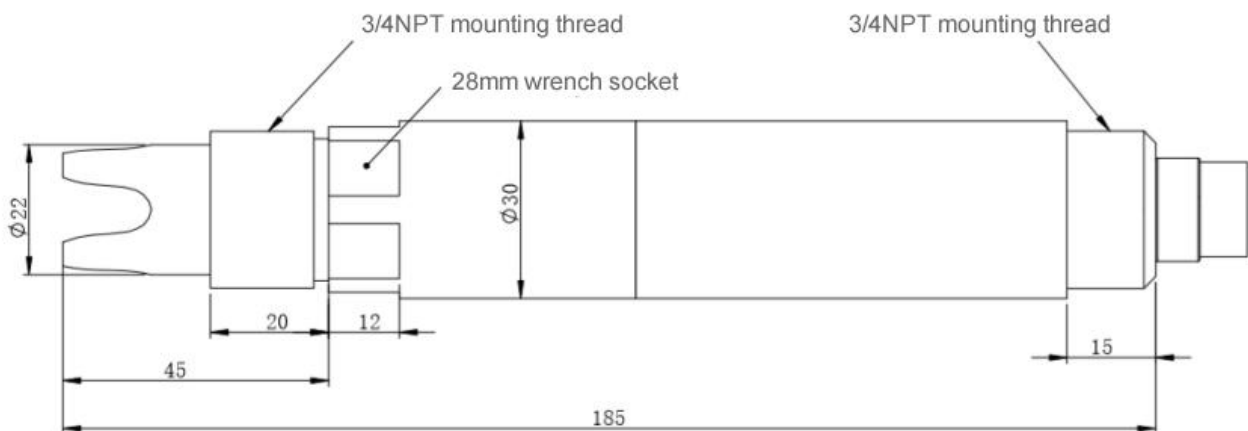
1.Introduction

It is used in drinking water, sewage, industrial process water and pure water industries where continuous monitoring of ozone content in disinfected aqueous solutions is required.

2.Technical Parameters

Model	KWS-652	
Measurement principle	Constant voltage method	
Range and resolution	0~2.000mg/L	0.001mg/L
	0~20.00mg/L	0.01mg/L
Accuracy	0~2.000mg/L	±5%,±0.3℃
	0~20.00mg/L	±0.05,±0.3℃
Cleaning method	/	
Temperature compensation	Automatic temperature compensation (Pt1000)	
Output method	RS-485 (Modbus RTU), 4-20 mA	
Storage temperature	-5~65℃	
Working conditions	5~50℃, <0.1MPa, pH: 4~9	
Casing material	316L	
Installation method	Flow cell installation, 3/4 NPT	
Power consumption	0.2W@12V	
Power supply	12~24V DC	
Protection level	IP68	

3.Dimensions



Note: The sensor connector is a male M16-5-core waterproof connector.

4. Electrical Connections

4.1 Installation

Use the matching flow cell for installation. The sensor and the flow cell should be installed tightly. Make sure that the sensor measuring part is placed near the water inlet of the flow cell and not facing the water outlet as much as possible. Ensure that the flow rate is stable. It is recommended to control the flow rate at 30-60L/h to ensure the accuracy of the test.

4.2 Wiring

The cable is a 5-core twisted pair shielded cable, and the line sequence is defined as follows:

- Red line—power line (12~24V DC)
- Black line—ground line (GND)
- Blue line—485A
- Green line—485B
- Yellow line—current output (if not used, it can be left floating)

Before powering on, the wiring sequence should be carefully checked to avoid unnecessary losses due to wiring errors.

Wiring instructions: Considering that the cable is immersed in water (including seawater) or exposed to the air for a long time, all wiring points are required to be waterproofed, and the user cable should have a certain degree of corrosion resistance.

5. Quality and Service

5.1 Quality Assurance

- The quality inspection department has standardized inspection procedures, advanced and complete inspection equipment and means, and strictly inspects according to the procedures, conducts 72-hour aging tests and stability tests on the products, and does not allow any unqualified products to leave the factory.
- The consignee directly returns the batch of products with an unqualified rate of 2%, and all the costs incurred are borne by the supplier. The inspection standards refer to the product description provided by the supplier.
- Guarantee the quantity of supply and delivery speed.

5.2 After-sales Service Commitment

The company provides after-sales guarantee for this machine within one year from the date of sale. Damage caused by improper use is not included. If repair or adjustment is required, please send it back, but the freight is at your own expense. When sending it back, you must make sure that the packaging is good to avoid damage during transportation. The company will repair the damage of the instrument free of charge.