

YW02-W

Capacitance wastewater level transducer (specification)



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Product Overview

The YW02-W is a capacitance level sensor designed for measuring liquid levels in challenging environments. Its detection component features Teflon-based material for corrosion and wear resistance, ensuring accurate measurement performance and extended service life even under complex liquid conditions. Primary applications include:

Product Features

- High measurement accuracy, with a precision of 1%.
- Custom Height
- The external calibrator facilitates parameter adjustment.
- SAE standard 5-hole screw for quick and easy installation
- It offers excellent measurement continuity, strong stability, and a long product service life.
- Compatible with GPS tracking systems

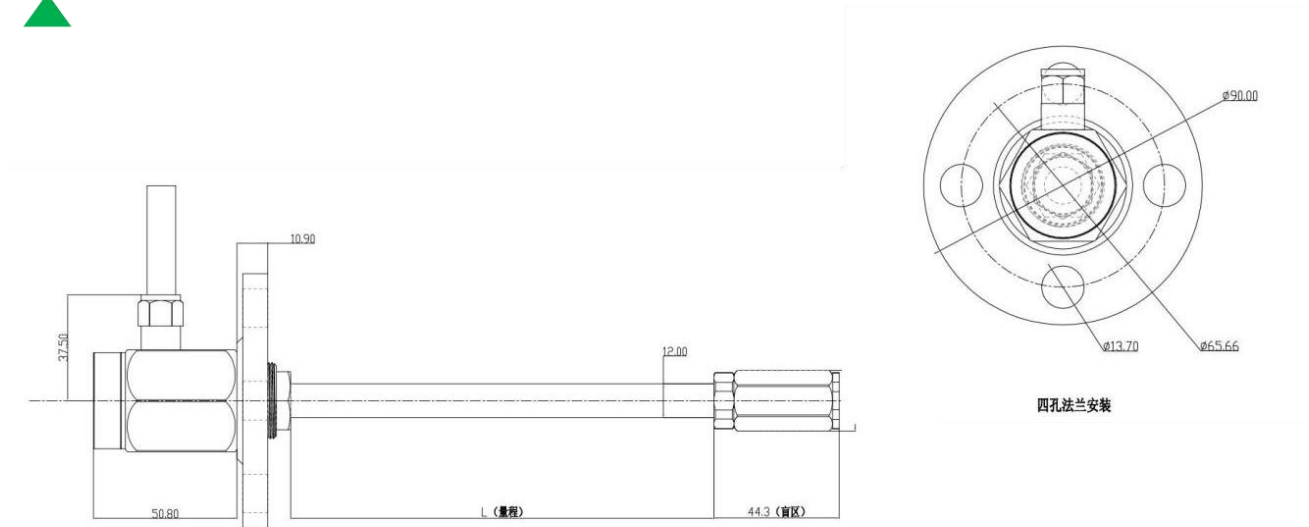
Product Application

- Yacht Sewage Tank
- For vehicles: Sewage suction trucks, waste collection trucks, and food waste transport vehicles.
- Wastewater tanks: including septic tanks, sewage treatment tanks, and wastewater treatment equipment.

Technical Parameter

Project	Parameter
Range	0mm~2000mm(Can be customized)
Output	485, 232 Digital Signal Output
Measuring medium	Wastewater / Industrial wastewater / Food waste wastewater / Chemical liquids
Power supply voltage	DC5v Fixed Input
Accuracy	±1%
Working temperature	-40 ~ +80℃
Output signal refresh rate	1s-1800s is configurable
Service life	No fixed term
Monolithic construction	Column
Main Material	Teflon stainless steel
Flange Size	Outer diameter: 150 mm – Inner diameter: 38 mm
Way to install	Top-mounted type
Wiring	Black – Ground; Red – 5 V; Yellow – Signal line; Green – Signal line

Specification and dimension



Serial port wiring method (sensor wire sequence is defined as follows:)

RS232: Sensors outputting data via this method use four wires

Red: Power Supply

Black: GND-(RS232 ground)

Green :RS232 (RXD) Computer Sender

Yellow: RS232 (TXD) computer receiving end

RS485: Sensors outputting data via this method use four wires

Red:Power Supply

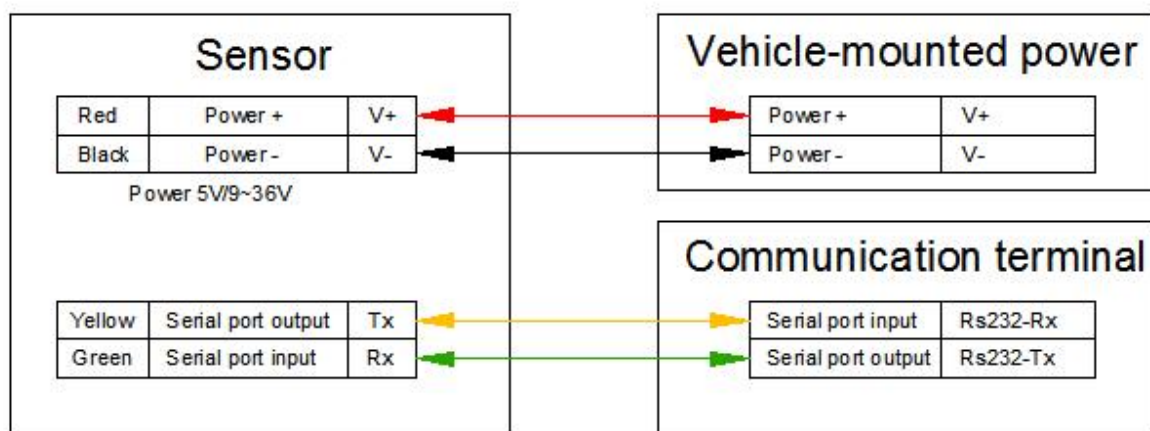
Black: GND-(RS485 ground)

Yellow: RS485 A

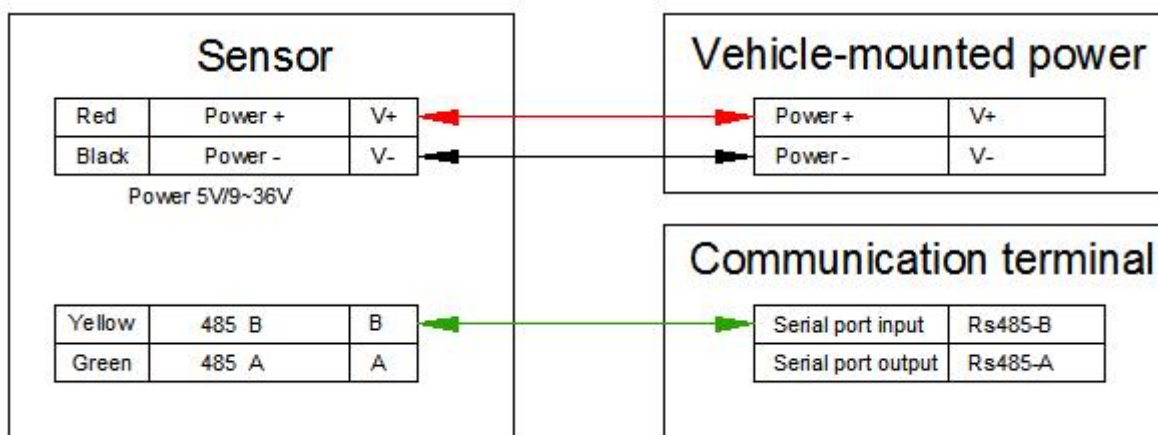
Green: RS485 B

Serial Port Wiring Definition:

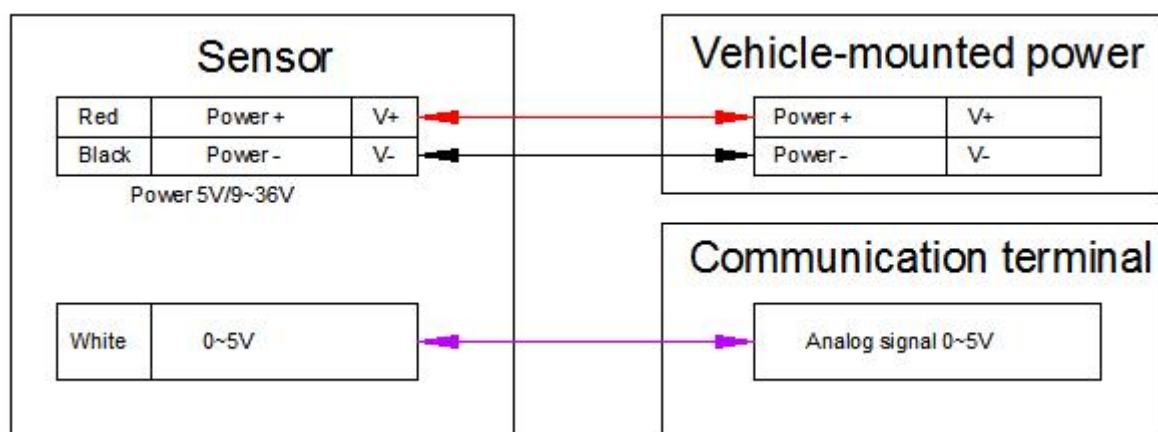
Rs-232



Rs485



Analog



Selection Table

Code	range		
X Mi	0-2000mm		
	Code	output	
	P1	RS485	
	P2	RS232	
	P3	0.5-4.5VDC	
	P4	0-5VDC	
		code	supply electricity
		V1	10-32VDC
		V2	5VDC
XM	P3	V1	Complete Model Specifications