

# Product datasheet



WE-S200

## **Brief introduction of the product**

The WE-S200 General Purpose Pressure Transmitter is well-designed and ideally suited for the general purpose industry. It has the advantages of multiple advantages such as output signal, range range, pressure interface, etc., which is convenient to match different working conditions.

### **Features:**

- Small size;
- Oil, gas and water are universal;
- Multiple output signal types;
- The analog type provides reverse polarity protection and transient overcurrent and overvoltage protection

### **Fields of application**

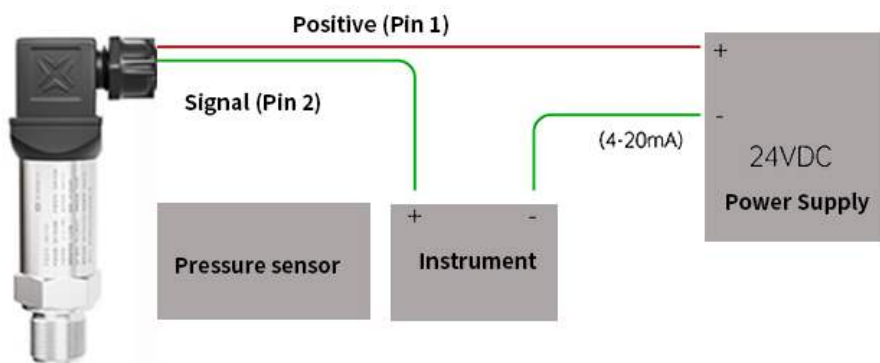
- Industrial gases, cryogenic storage tanks, gas cabinets, gas supply and control systems, gas cylinder valve groups, etc.;
- Industrial equipment, workshop equipment, pneumatic control, air compressors, etc.;
- Water and wastewater, constant pressure water supply, water supply and drainage treatment, water network monitoring, wastewater treatment, etc.;
- HVAC, ventilation systems, heating systems, heat pumps, etc.;

### **Specifications**

Functional categories	Description of the function	remark
Electrical data	Pressure range	0-1.6Mpa 0-2.5Mpa 0-10Mpa can be customized
	Measurement method	Gauge pressure
	Output type	模拟:2 线制 4~20mA, 负载 $\leq (U-7) / 0.02 \Omega$ Digital: I2C
	Operating voltage	9~30VDC, 典型值 24VDC
Physical specifications	Exterior dimensions	12.7m (高) * 5 (宽) cm
	weight	213.5g
	Housing material	304 stainless steel, 316 stainless steel

	Installation:	M20*1.5 external thread (support customization)	
	Connection	Gran head, 1.5m (support customization); Analog: 2 cores Hersmann connectors, no wiring by default; Analog: 2 cores The Hersmann connector has a display and is not wired by default; Analog: 2 cores	
	Waterproof and dustproof	IP65 (Hersmann connector) - retest IP68 (threaded or glanded)	
	ESD	4kV contact, 8KV air	
	isolation	1500VDC 1W	
	Insulation resistance	10M $\Omega$	
	performance	resolution	24bit
		Measurement accuracy	$\pm 0.5\%$ FS
stability		$\pm 0.3\%$ FS/year	
overload		150%FS	
Store at ambient temperature		-40~85°C	
Operating ambient temperature		-20~75°C	
Medium temperature		-20~75°C	
Humidity of the working environment		5~95%RH no condensation	

### Wiring schematic



Wiring Diagram for Two-wire Current Output

Red Wire: 24VDC

Green Wire: Current Output

## Selection & Ordering

Product base model:

WE-S200

Parameter selection table:

Signal output	A accuracy class	R range	P power supply mode	Interface threads	Electrical connectors
A0:4~20mA RS:RS485 IC: I2C  other communication methods are customized	A01: 0.1%A25: 0.25%A05: 0.5%A10: 1%  其他精度范围定制	R10: 0~1MPa R16:0~1.6MPaR25: 0~2.5MPa  其他量程范围定制	P1: 9~30VDC P2: 3.3~5VDC  Other power supply methods are customized	M6: M6*1 M8:M8*1 M10:M10*1 M12:M12*1 M14: M14*1.5 M16:M16*1.5 M20:M20*1.5 G18:G1/8 G14:G1/4 G12:G1/2 ZG14:ZG1/4 ZG12:ZG1/2 Q14:1/4 EN 12: EN 1/2 NPT18:NPT1/8 NPT14:NPT1/4  Other installation methods are customized	HSM: Hersmann connector GL: Gran Head