

QST-203 liquid level transmitters are consisting of well-sealed immersing oil-filled liquid level transducers and special circuit for manometers. Have characteristics of high precision, good stability, long life and easy to fix. Adopt special sealed configuration, so with good capability of anti-leakage.

According the relation between pressure, density and liquid level, the liquid level transducers measure the high temperature liquid pressure up to 120°C, which in direct ratio with depth of liquid, then via amplificatory circuit, the measured pressure is transferred to standard 4~20mA current signal(or standard voltage signal).



Feature:

- ◆ Wide measurement range
- ◆ High temperature working up to 120°C
- ◆ Sealed structure: IP68.
- ◆ Various output signal
- ◆ CE Certificate
- ◆ Marking: **ExiaIIBT6 Ga**
- ◆ Integrated construction, LED display can be choosing.

Dimensions: (unit: mm)

QY Electronic Co., Ltd

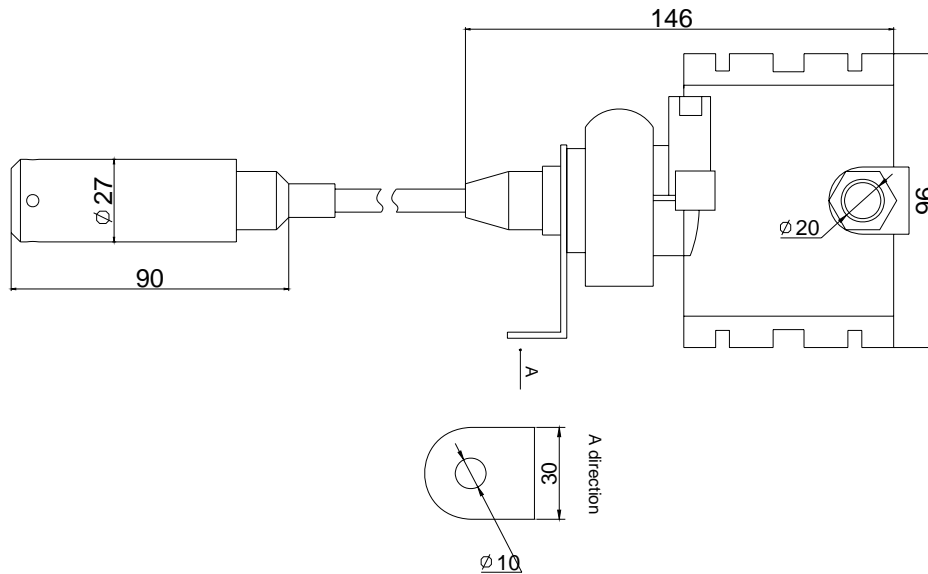
Address: The Middle of North Tuanjie Street, Hantai District, Hanzhong City, Shaanxi Province China.

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E-mail: info@qysensor.com

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Technical Specifications

Measuring media	Liquid which are compatible to 316L stainless steel	
Measuring range	mH ₂ O	0~0.6,0~1,0~2,0~5,0~10,0~20,0~30,
		0~50,0~100,0~150,0~200
Overload pressure	%FS	150
Signal output	transmitter, mA (2 wires)	4~20mA
	transmitter, Vdc (3 wires)	0~5V, 1~5V, 0~10V, 0~20mA
Power supply	Vdc	12~36 (Standard 24Vdc)
Static accuracy	%FS	±0.1, ±0.25(Standard)
Zero adjustment	%FS	≤±0.25
Span adjustment	%FS	≤±0.25
Long-term stability	<±0.1%FS/year (>20mH ₂ O)	±10mm (≤20mH ₂ O)
Response time	ms	<2
Storage temp.	°C	-40~+140
Operation temp.	°C	-20~+120
Compensated temp.	°C	-10~+100
Temp. coefficient of ZERO	%FS/10°C	≤0.2
Temp. coefficient of SPAN	%FS/10°C	≤0.2
Insulation resistance	M Ω	≥500 @ 100 Vdc
Load resistance	current output, Ohm	250~1100
	voltage output, Ohm	>5000
Environmental protection	IP rating	IP 68
pressure memberane material	316L Stainless steel	
Electrical connector material	Cast aluminum	
Material for housing	Stainless steel (1Cr18Ni9Ti)	

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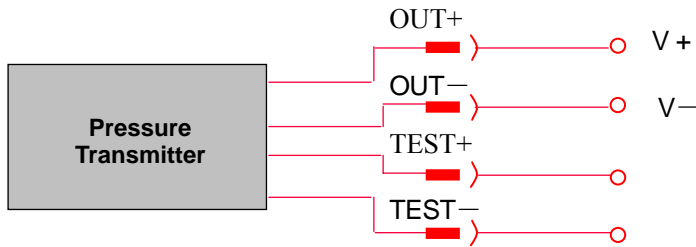
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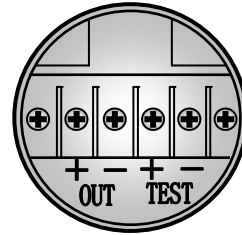
Electrical connection	connector/cable	4-core, $\Phi 7.6$ mm shielded cable with vent pipe which is mechanically strong enough for deep submersible liquid level measurements
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Electrical connection:

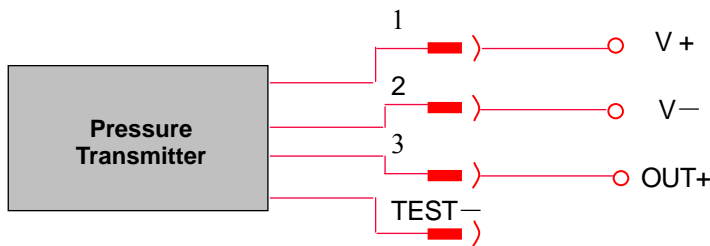
Two-conductor 4~20 mA



Diagram



Three-conductor 1~5V; 0~5V; 0~10V, (customizable)



Diagram



※ **Ordering code:** Model- Measuring range-signal output-accuracy-the length of cable-indicator-other requirements...

Example: QST-203-0/20mH₂O-4/20mA-0.25%FS-25m-LED