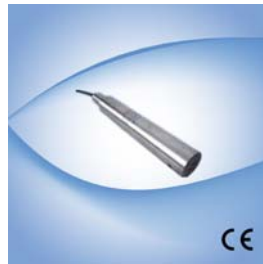


QST-204 Submersible Level & Temperature Transmitter



Application:

QST-204 submersible level & temperature integration transmitter is composed by high accuracy & stability pressure sensor, temperature sensor and special propose circuit, the level and temperature of measured media will be transformed to 4~20mA or 0~10mA electrical output signal separately. With the characteristics of high reliability and high stability, it is widely used for measuring static and dynamic state of various liquid in water works, oil refinery, chemical plant, glassworks, sewage treatment works, water supply system, reservoir and riverway.

Features:

Submersible temperature level transmitter

4mA~20mA signal output, 0~5, 0~10VDC can be chosen

Measure range: Level 0~100mH₂O, Temperature ≤80°C

High accuracy

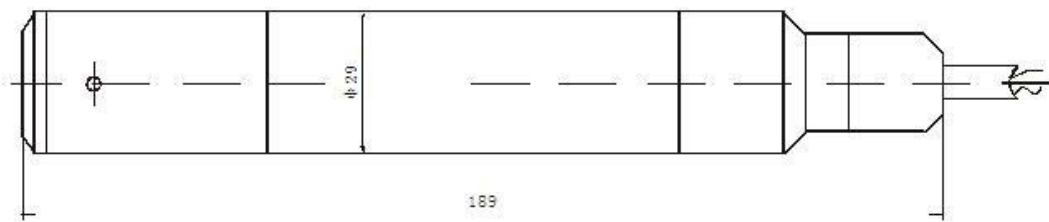
Good stability

Wide operation temp.: -20°C ~ +80°C

Good ability in corrosion resistance: 316L diaphragm, 1Cr18Ni9Ti housing

Trebling lightning protection, anti-condensation and anti-interference design

Dimensions: (unit: mm)



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Specification:

Measuring media	Liquid which are compatible to 316L stainless steel			
Measuring range	mH ₂ O	0~100		
Signal output	transmitter (2 wires)	4~20mA		
	transmitter (3 wires)	0~10mA, 0~5V, 0~10V		
Power supply	Vdc	12~36V (Standard 24V)		
Static accuracy	%FS	0.1	0.3	0.5
non-linearity hysteresis	%FS	≤0.1	≤0.3	≤0.5
zero drift	%FS/4h	≤0.1	≤0.3	≤0.5
Temp. coefficient of ZERO	%FS/°C	≤0.01	≤0.03	≤0.05
Long-term stability	%FS/year	0.1	0.2	0.3
Response time	(10%~90%)ms	≤1		
safe overload	%	200		
Operation temp.	°C	-25~+80		
Compensated temp.	°C	0~+70		
Material of diaphragm	316L Stainless steel			
Defend grade	IP 67			
Material for housing	1Cr18Ni9Ti			
Explosion-proof grade	Exia IICT6			

Electrical connection:

For 4~20 mA level output & 4~20 mA temperature output

Power +: red signal (level): green

Signal (temperature): blue shielded wire: black