Liquid–Level Sensor

FIRSTRATE SENSOR PRODUCTS

FST700—101 Input Liquid– level transmitter

Features	■	Moisture–proof, anti–sweat, free of leakage troubles, IP68
	■	Excellent resistance against impact, overload, shock and erosion
	■	Efficient lightning protection, strong anti RFI&EMI protection
	■	Advanced digital temperature compensation and wide working temperature scope
	■	High sensibility, high accuracy, high frequency response and good longterm stability
Applicable Scope	■	Liquid–level testing and control in industrial process
	■	Testing and control in Hydraulic and hydropower engineering
	■	Building Automation System and constant pressure water supply system
	■	Urban water supply and wastewater treatment
	■	Liquid–level testing and control in other automation systems

Project	Parameter		
Standard Range	Pressure Type: gauge pressure and sealed pressure		
	Pressure Range（mH2O）：0.5 1 2.5 5 10 20 50 100 200 300 400 500 600		
Technical Index	Signal Output	4~20mA	0~5VDC 0~10VDC
	Signal Line Specification	2wire	3wire 3wire
	Supply Voltage	9~30VDC	9~30VDC 15~30VDC
	Accuracy	±0.3%FS	±0.5%FS ±1%FS
	Zero Drift	±0.02%FS/℃	
	Thermal Sensitivity Shift	±0.02%FS/℃	
	Longterm Stability (1 Year)	±0.1%FS	
	Frequency Response (–3dB)	3.2kHz	
	Compensated Temperature	–20~+85℃	
	Medium Temperature	–10~+85℃	
	Storage Temperature	–40~+125℃	
	Overload Pressure	200% FS	
	Medium Compatibility	Various media compatible with 316L stainless steel	
	Environmental Protection	IP68	

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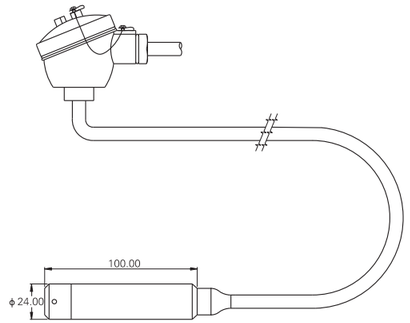
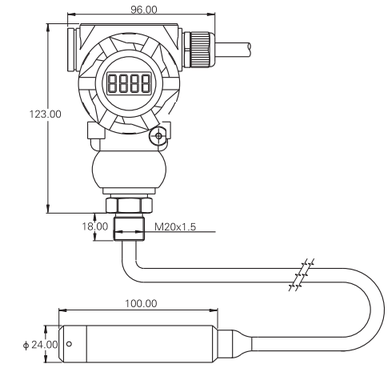
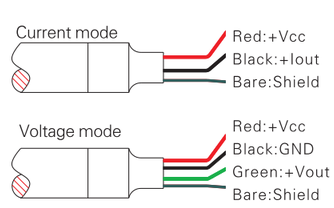
Dimension



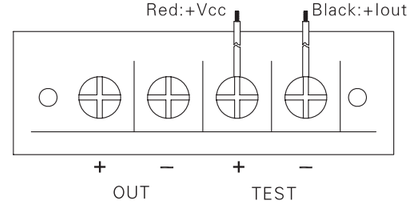
Pressure Connection



Electrical Connection



Direct Lead



The internal wiring diagram after removing the sensor connection cover