

- Heavy Duty Industrial Design
- PVC | PP | PVDF Plastic Submersible Sensor
- Epoxy Coated Heavy Duty Enclosure | Display



The new TankPro Series Submersible Level Sensor converts the level proportional hydrostatic pressure into a standardized 4-20mA signal. The sensor consists of a corrosion thermoplastic sensor with mechanical protection IP68 piezoresistive ceramic diaphragm. The sensor cable has a PTFE Teflon® encapsulate and contains a ventilation tube for reference to the atmosphere.

The back-lit display provides accurate visual indication of the process level measurement.

The new external three-button menu function makes it simple to program and operate.

MAIN PARAMETERS

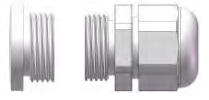
Pressure Types	Submersible Pressure Sensor
Measuring Range	0'-14' 0'-20' 0'-34' 0'-54'
Output Signal	4-20mA
Reference Accuracy	±0.5%
Measuring Medium	Liquids
Field of Application	Liquid Level Measurement

SPECIFICATIONS

Level ft/H ₂ O	14	20	33.5	54
Overpressure psi	21	29	29	58
Burst Pressure > psi	29	58	58	72
Output Signal/Supply	2-wire : 4-20mA Loop Powered Optional - 4-20mA + HART 0-5VDC Modbus - RTU RS485			
Accuracy	±0.5%			
Influence Effects	Supply : 0.05% Full Scale 10V Load : 0.05% Full Scale K			
Long term stability	< ±0.1% Full Scale over One Year			
Response time	<10 msec or better			
Thermal Error	< ±0.2% FSO/K in compensated range -25 - 70°C -13 - 158°F			
Permissible Temp	PVC 0 - 60°C 32 - 140°F PP -20 - 80°C -4° - 180°F PVDF -20 - 80°C Medium -4 - 180°F Storage -10 - 60°C			
Short-circuit Protection	Permanent			
Reverse Polarity Protection	No Damage to Sensor			
Electromagnetic Compatibility	Emission Immunity according to EN 61326			
Short-circuit Protection	Permanent			

* Also available in 316 SS Version

Enclosure Selection

Item	Description	
Electrical Connection	Aluminum-alloy terminal - 2 cable entry M20*1.5(F) red body white cover	 Housing  Standard Cable Entry Protective Adaptor
Cable Entry Protector	Waterproof connector M20*1.5 one side blind plug another side PVC material 6-8mm diameter cable IP67	
	Flame proof ½ NPT(F) one side blind plug other side stainless steel material 6-8mm diameter cable IP67	
	Flame proof, M20X1.5(F) one side blind plug other side stainless steel material 6-8mm diameter cable IP67	

Transmission Module

Item	Description
Output signal	4-20mA two wire power supply : 10.5 - 55VDC
	4-20mA + HART two wire power supply : 16.5 - 55VDC
Display	Without display
	With LCD display

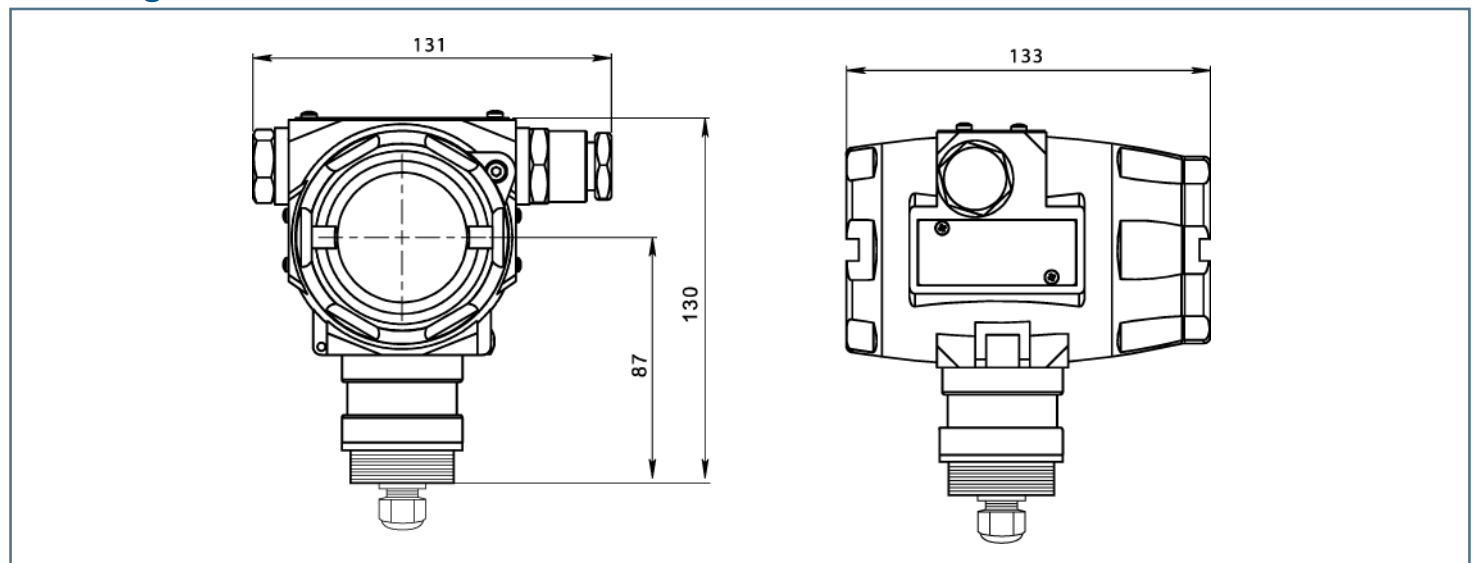


Display module(C)



Terminals

Drawing Dimension



ORDERING

Part Number	Input	Material	Output
0-14'	191-1001-A113302F	PVC	4-20mA
0-14'	191-1001-B113302F	PP	4-20mA
0-14'	191-1001-E113302F	PVDF	4-20mA