

TankPro® Series

Continuous Submersible Level Transmitter



- ✓ Higher Accuracy | Superior Chemical Resistance
- ✓ Works on Foam | Vapor | Turbulence | Condensate
- ✓ Integrally Molded Internal Weight | No Floating



Product Description

The TankPro® Submersible Level Transmitter provides continuous level measurement for both corrosive and non-corrosive liquids. These submersible hydrostatic transmitters have been designed for the toughest industrial applications. Unlike ultrasonic level transmitters, our liquid level sensors are completely unaffected by any foam, vapor, turbulence or condensate in the tank.

The TankPro® Level Transmitter comes equipped with a local LCD Display that screws into the top of the tank with a 1" or 2" NPT connection.

The TankPro® Series comes in PVC, PP, PVDF, PTFE Teflon® or 316 SS making them the perfect level sensor for your chemical tank application.

PVC

PP

PVDF

PTFE

316 SS

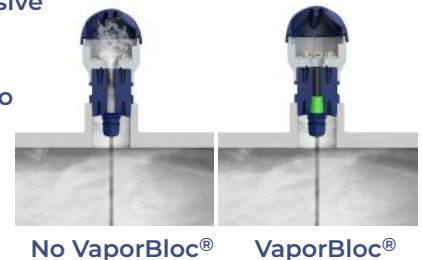


Features

- ✓ Easy Calibration
- ✓ Non Clogging Design | Great With Sediment
- ✓ Heavy Duty Rugged Design
- ✓ No Moving Parts
- ✓ Automatic Temperature Compensation
- ✓ 2" NPT Connection
- ✓ 14ft Measuring Range
- ✓ 4-20mA Loop Powered

VaporBloc® Technology

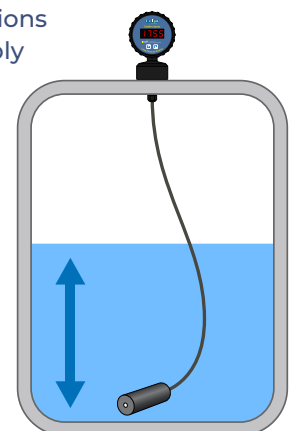
- ✓ Blocks Out Corrosive Chemical Fumes
- ✓ Pressure Tested to 75 psi
- ✓ Protects Internal Wiring Connections



Working Principle

The Solution to Tough Applications Where Ultrasonic Sensors Simply **DO NOT WORK!**

Accurate Level Reading by measuring the head pressure of the liquid pushing down on ceramic sensing diaphragm.



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Technical Specifications

Input Pressure Range		
Level ft/H ₂ O		14
Over Pressure	psi	210
Burst Pressure	psi	290
Output Signal Supply		
Standard	4-20mA Loop Powered 9-36 VDC	
Performance		
Accuracy	<± 0.5% Full Scale or Better	
Permissible Load	Rmax = [(Vs-Vsmin)/0.02 A]	
Influence Effects	Supply : 0.05% Full Scale Load : 0.05% Full Scale	
Long Term Stability	<± 0.1% Full Scale Over One Year	
Response Time	<10 msec	
Accuracy According to IEC 60770 - Limit Point Adjustment Non-Linearity Hysteresis Repeatability		
Thermal Effects Offset and Span		
Thermal Drift	<± 0.2% FSO/K in Compensated Range -20 - 170°F	
Temperatures		
Operating Temperatures	PVC: 32°F - 140°F PP: -20°F - 170°F PVDF: -40°F - 170°F PTFE: -40°F - 170°F 316 SS: -40°F - 170°F	
Electrical Connection		
Input Voltage	24 VDC	
Jacketed Cable	PTFE Teflon® 0 - 200°F	
3 Wire Cable with Integrated Air Tube for Atmospheric Pressure Reference		
Materials Wetted		
Housing	PVC PP PVDF PTFE 316 SS	
Seals	FFKM - Kalrez®	
Diaphragm	Ceramic 96% Al2O3 316 SS	

Model Selection

Material	Part Number
PVC	191-1001-A113302F
PP	191-1001-B113302F
PVDF	191-1001-E113302F
316 SS	191-1001-SS113302F

Wiring

