

TankPro® Series

Continuous Submersible Level Transmitter



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

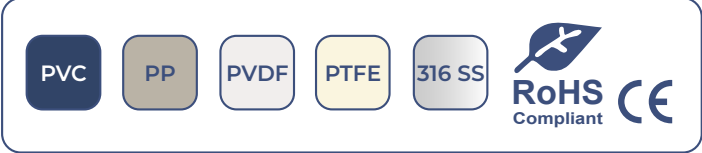


Product Description

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.

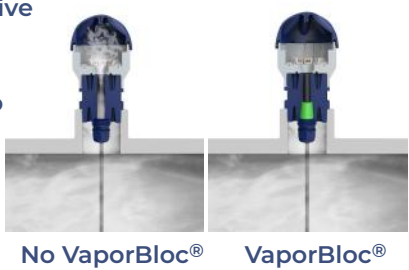


Features

- ✓ 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

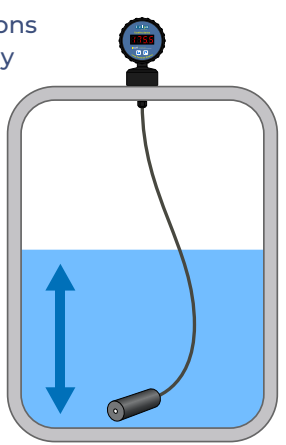
- ✓ Blocks Out Corrosive Chemical Fumes
- ✓ Pressure Tested to 75 psi
- ✓ Protects Internal Wiring Connections



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.



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	$R_{max} = [(V_s - V_{smin})/0.02 \text{ A}]$
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% Al ₂ O ₃ 316 SS

Model Selection

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

Wiring

