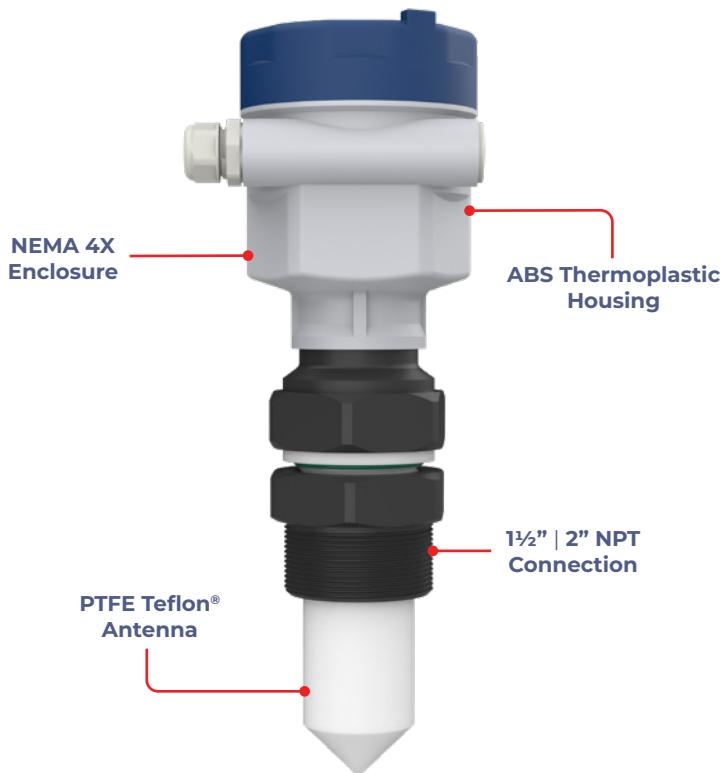


Truflo® — ProScan® 1 Series Radar Level Transmitter (26GHz)

- ✓ Excellent For Foam | Vapor
- ✓ All Thermoplastic Housing | Antenna
- ✓ Simple Configuration



Product Description

The ProScan® Radar Level Transmitter reliably measures the liquid level inside a tank or sump of both corrosive and non-corrosive liquids.

Utilizing a completely PTFE Teflon® antenna or horn, it sends and receives low-energy radar pulses and calculates the flight time of the pulse in order to determine your level reading.

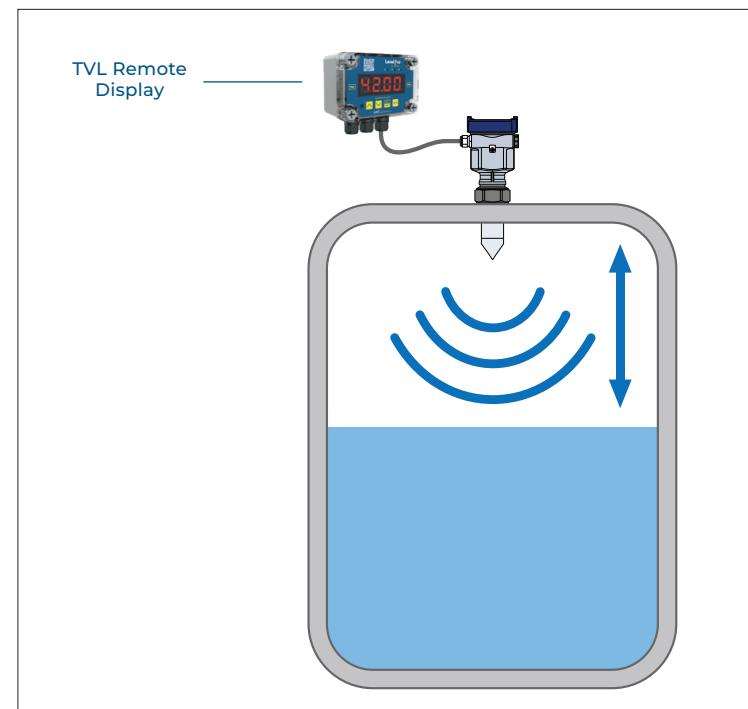
The ProScan® Radar Level Transmitter does not contact the process liquid and therefore is an excellent choice for applications that may be corrosive, coating, dirty, or crystallizing.

The ProScan® Series is both reliable and accurate; there is no requirement for re-calibration and virtually zero maintenance as there are no moving parts.

Features

- ✓ Plastic Design | Chemical Resistant
- ✓ Deadband of 8"
- ✓ Simple Programming
- ✓ Loop Powered | 2 Wire 4-20mA Output
- ✓ EX ATEX Rated
- ✓ No Moving Parts
- ✓ 33 ft | 10 m Measuring Range

Working Principle



Large Local Display



Truflo® — ProScan® 1 Series

Radar Level Transmitter (26GHz)

ICON™ Corrosion-Free
PROCESS CONTROLS Instrumentation Equipment™

Technical Specifications

General		
Operating Range*	8" to 33 ft 20cm to 10 m	
Working Frequency	26 GHz	
Resolution	±1mm 0.04"	
Repeatability	±3mm 0.11"	
Sampling	55 Sec	
Response Time	1.1 Sec	
Display	4-Digits LCD Loop Powered	
Enclosure Rating	NEMA 4X IP67	
Materials		
Sensor Body	PTFE Teflon®	
O-Rings	FKM (std) EPDM FFKM	
Housing	ABS Polycarbonate	
Electrical		
Frequency	26 GHz	15 Hz per ft/s nominal
Supply Voltage	9 to 36 VDC ±10% regulated	
Supply Current	<1.5 mA @ 3.3 to 6 VDC	<20 mA @ 6 to 24 VDC
Output	4-20mA RS485	
Communication	Modbus Hart	
Operating Temperature		
PTFE Teflon®	-40 to 266°F -40 to 130°C	
ABS	32 to 140°F 0°C to 60°C	
Standards and Approvals		
CE FCC RoHS Compliant		

*Consult factory for other ranges.

Model Selection

ProScan® — Radar Level Transmitter		
Connection	Part Number	Material
NPT	PS8000	Teflon®
Flange	PS8500	Teflon®
NPT	PS8000S	316SS
Flange	PS8500S	316SS

*Each PS8000 comes with a 1 ½" x 2" PVC Reducer Bushing