

ProScan Series Radar Level Transmitter



- ❑ 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.

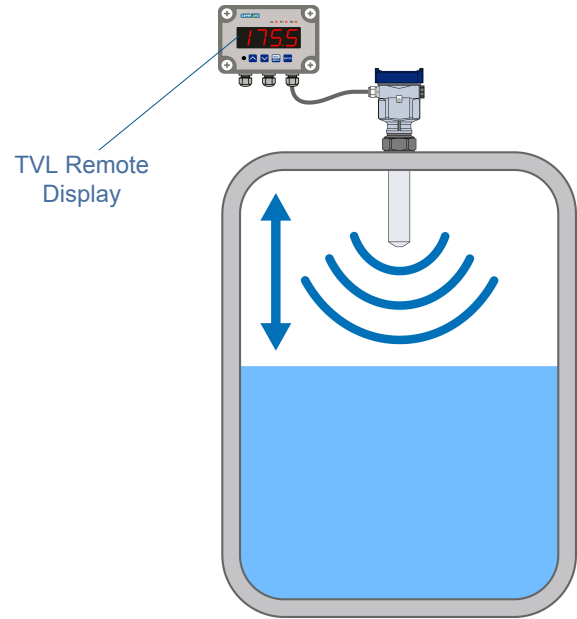
Utilizing a completely PTFE Teflon Antenna or Horn, it sends and receives low-energy radar pulses and calculates the time of flight of the pulse in order to determine your level reading.

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.



Working Principle



Large Local Display



Features

- ❑ Plastic Design | Chemical Resistant
- ❑ Small Dead-Band
- ❑ Simple Programming
- ❑ Loop Powered | 2 Wire 4-20mA Output
- ❑ EX ATEX Rated
- ❑ No Moving Parts
- ❑ 33 ft | 10m Measuring Range

Specifications

General

Operating Range	0.3 to 33 ft	0.1 to 10 m	Consult Factory for other Ranges*
Working Frequency	26 GHz		
Resolution	±1mm 0.04"		
Repeatability	±3mm 0.11"		
Sampling	55 Sec		
Response Time	1.1 Sec		
Display	4-Digits LCD 4-20mA 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

Operating Temperature

PTFE	-40°F to 266°F	-40°C to 130°C
ABS	32°F to 140°F	0°C to 60°C

Standards and Approvals

CE FCC
RoHS Compliant

Model Selection

Connection	Part Number
NPT 1 ½" 2"	PS8000
Flange	PS8500

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