

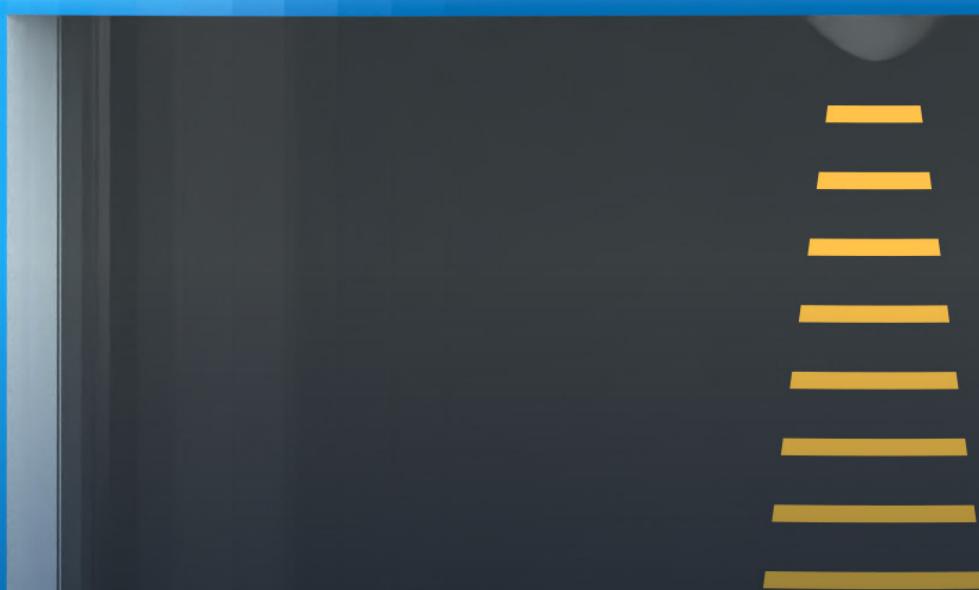
LevelPro® — ProScan® 2

Radar Level Sensor (80GHz)

ICON™ Corrosion-Free
PROCESS CONTROLS Instrumentation Equipment™



LevelPro®

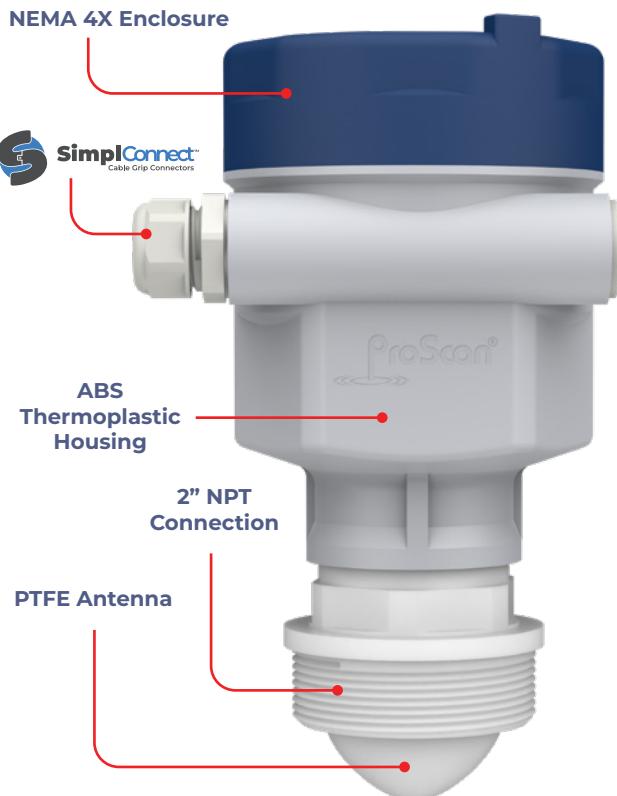


The future of non-contact level measurement is radar technology!

LevelPro® — ProScan® 2

Radar Level Sensor (80GHz)

- ✓ Excellent Chemical Resistance
- ✓ Not Affected by Vapor or Outgassing
- ✓ Exceptional Reliability and Accuracy



Features

- ✓ 80GHz
- ✓ Deadband of 2"
- ✓ Simple Programming
- ✓ Loop Powered | 2 Wire 4-20mA Output
- ✓ EX ATEX Rated
- ✓ No Moving Parts
- ✓ 33 ft | 10m Measuring Range

The simple contact-free solution for corrosive, coating, dirty, or crystallizing applications with virtually zero maintenance required.

The ProScan® 2 80GHz Radar Level Sensor 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. It's both reliable and accurate, with no requirement for re-calibration.

Working Principle

The ProScan® 2 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.



PTFE

316 Stainless Steel XP



LevelPro® — ProScan® 2

Radar Level Sensor (80GHz)

Technical Specifications

Measuring Performance		Operating Conditions	
Minimum Range	2"	Operating Frequency Band	80 GHz
Maximum Range	34' 10m	Mains Power Supply	24 VDC 2-wire Loop Powered
Resolution	0.04" 1mm	Communication Interface	4-20mA RS485 HART
Beam Angle	8°	Enclosure Protection	NEMA 4X IP66
Response Rate	1.1 Sec	Vacuum Pressure	-14.5Hg -362 Psi
Measurement Accuracy	> 0.1% 0.16" 4mm	Operating Temperature Range	-40°F to 250°F -40°C to 121°C
Repeatability	±0.11" ±3mm		

Housing & Mounting

Housing Material	GFPP Body PTFE Antenna	316 SS+GFPP Body PTFE Antenna	Epoxy Coated CI + 316 SS Body PTFE Antenna
Dimensions	93mm x 190mm	93mm x 207mm	96.5mm x 221mm
Installation	2" NPT 150lb ANSI Flange		

Model Selection

ProScan® 2 — Radar Level Transmitter			
Connection	Part Number	Body Material	Antenna Material
NPT	PS28000	GFPP	PTFE Teflon®
Flange	PS28500	GFPP	PTFE Teflon®
NPT	PS28000S	Epoxy Coated Cast Iron + 316SS	PTFE Teflon®
Flange	PS28500S	Epoxy Coated Cast Iron + 316SS	PTFE Teflon®

Dimensions

