

# LevelPro® — ProScan® 2 Radar Level Sensor (80GHz)

ICON™ Corrosion-Free  
PROCESS CONTROLS Instrumentation Equipment



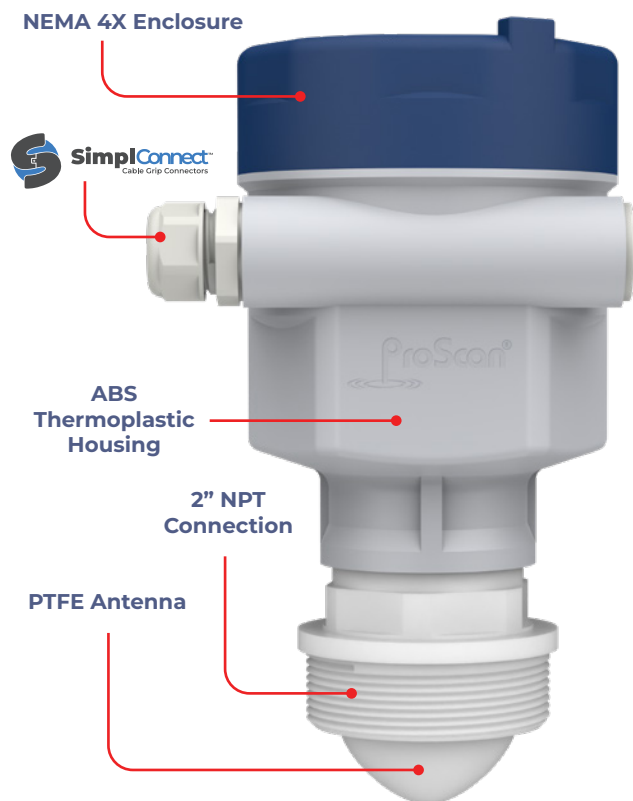
LevelPro®

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
- ✓ Small Dead-Band (8")
- ✓ Simple Programming
- ✓ Loop Powered | 2 Wire 4-20mA Output
- ✓ EX ATEX Rated
- ✓ No Moving Parts
- ✓ 33 ft | 10m Measuring Range



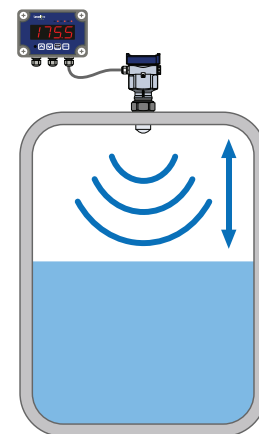
**The simple contact-free solution for corrosive, coating, dirty, or crystallizing applications with virtually zero maintenance required.**

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.



### Specifications

Measuring Performance		Operating Conditions	
Minimum Range	8"	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   -362PSI
Measurement Accuracy	> 0.1%   0.16"   4mm	Operating Temperature Range	-40°F – 250°F   -40°C – 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

ProScan2® — Radar Level Transmitter			
Connection	Part Number	Body Material	Antenna Material
NPT	PS28000	GFPP	PTFE Teflon®
Flange	PS28500	GFPP	PTFE Teflon®
NPT	PS28000S	GFPP + 316SS	PTFE Teflon®
Flange	PS28500S	GFPP + 316SS	PTFE Teflon®
NPT	PS28000S-XP	Epoxy Coated Cast Iron + 316SS	PTFE Teflon®
Flange	PS28500S-XP	Epoxy Coated Cast Iron + 316SS	PTFE Teflon®

### Dimensions

