

# LevelPro® — ProScan® 2

## Radar Level Sensor (80GHz)

ICON<sup>™</sup> Corrosion-Free  
PROCESS CONTROLS Instrumentation Equipment<sup>™</sup>



LevelPro<sup>®</sup>



ProScan Series Level pro  
Product Name: Radar Level Sensor  
Model Code: ProScan  
Power Supply: 24V DC  
Measuring Range: 0-10m  
Signal Output: 4-20mA/HART  
Protection Grade: IP68  
Factory Number: 2207074  
ICON Corrosion-Free Instrumentation Equipment Web: www.iconprocess.com Email: support@iconprocess.com

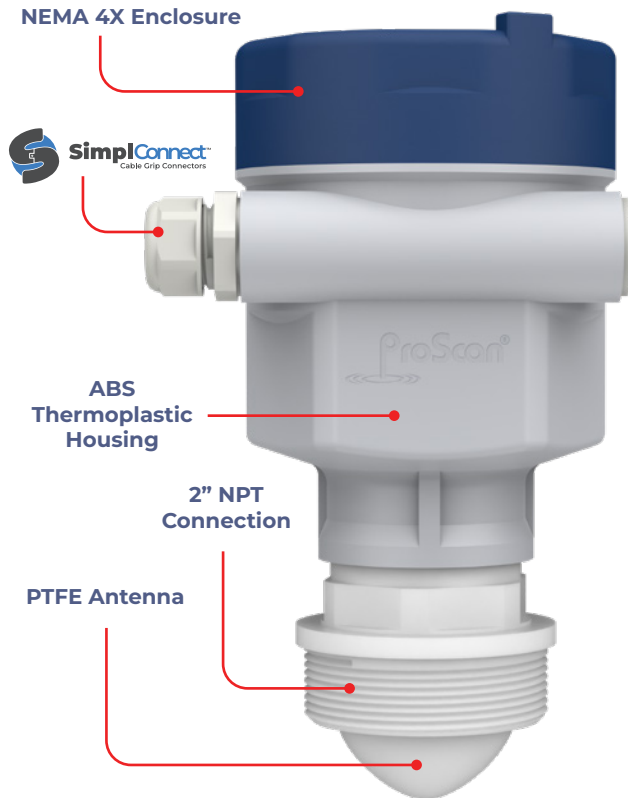
The future of **non-contact level** measurement is radar technology!

# LevelPro® — ProScan® 2

## Radar Level Sensor (80GHz)

**ICON**™ Corrosion-Free  
PROCESS CONTROLS Instrumentation Equipment™

- ✓ 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

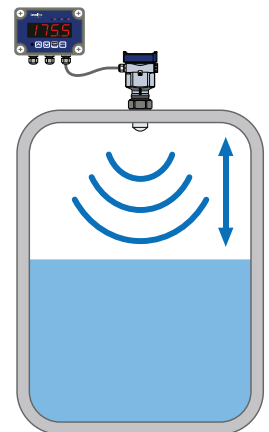
**The simple contact-free solution for corrosive, coating, dirty, or crystallizing applications with virtually zero maintenance required.**

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



316 Stainless Steel XP

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### 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	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

