

LevelPro® — ProScan® 2

Radar Level Sensor (80GHz)

ICON™ Corrosion-Free
PROCESS CONTROLS Instrumentation Equipment™



LevelPro®



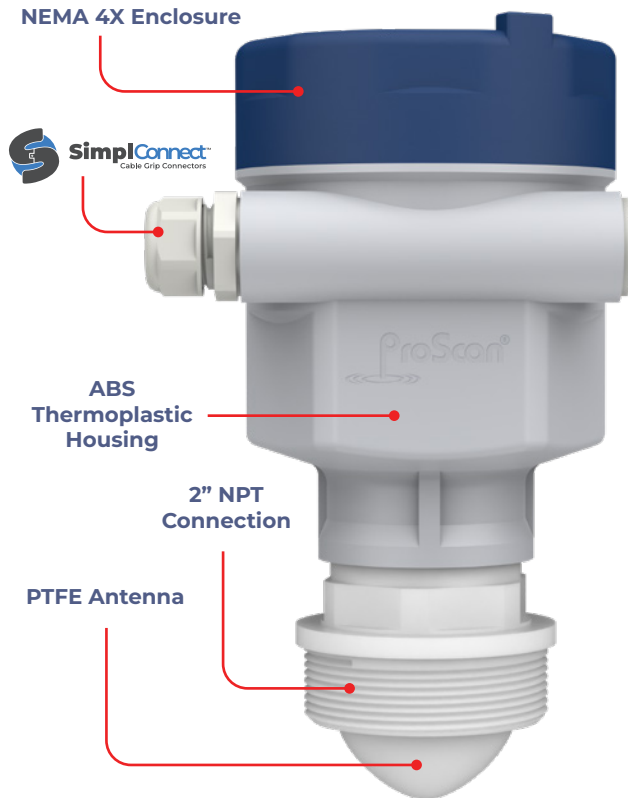
ProScan Series LevelPro
Product Name: Radar Level Sensor
Model Code: ProScan
Power Supply: 24V DC
Measuring Range: 0-10m
Signal Output: 4-20mA/HART
Protection Grade: IP68
Factory Number: 2207074
ICON Corrosion-Free Instrumentation Equipment Web: www.iconprocess.com Email: support@iconprocess.com

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

LevelPro® — ProScan® 2

Radar Level Sensor (80GHz)

- ✓ 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

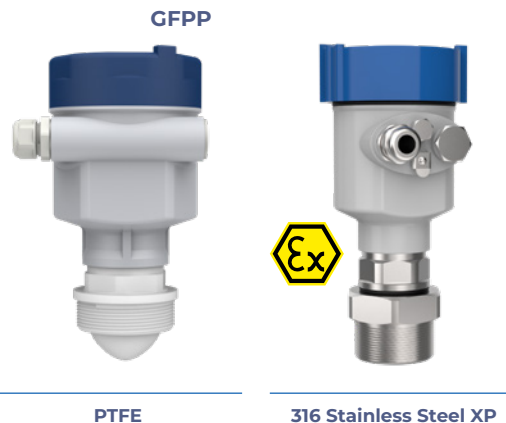
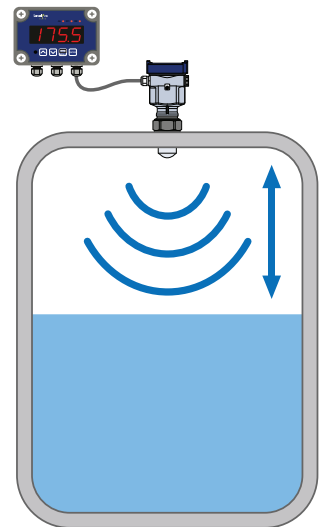
The simple contact-free solution for corrosive, coating, dirty, or crystallizing applications with virtually zero maintenance required.

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.



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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

