❏ **Excellent Chemical Resistance**
❏ **High Accuracy**
❏ **Suitable for Vapor**

PTFE

316SS

The ProScan2 Series transmitter measures the liquid level inside the tank or sump by using a PTFE Teflon® or 316SS antenna that emits low energy radar pulses.

The pulses are laser focused with a much smaller diameter than lower frequency radar sensors. The concentrated beam offers more reliable accuracy in conditions that involve vapor or out-gassing or low reflective media. The small dead zone and narrow beam angle allow for use in both small and tall vessels.

These pulses are reflected off the liquid surface, and referenced to known laws of physics (speed of light). This is referred to as the Time of Flight.

Distance = (Speed of Light x Time Delay) / 2

The ProScan2 Series does not contact the process liquid and therefore is an excellent choice for applications that involve corrosive, coating, dirty, or crystallizing media. The are temperature compensated over the entire range (-40-260°F) and can be used on to measure liquid under pressure or vacuum.

The ProScan2 Series utilizes microprocessor technology coupled with mapping software that allows it to be used where other non-contact level sensing products are unreliable, fail or go lost

FEATURES

❏ **Corrosion Resistant Plastic Design**
❏ **Small Dead Band**
❏ **PTFE | 316 SS Antenna**
❏ **Narrow Beam Angle**
❏ **Suitable for Vacuum | Fumes**
❏ **Simple Configuration**
❏ **IP67 Housing**
❏ **Epoxy Coated Enclosure**
❏ **Loop Powered | 2 Wire**

Material	Model	Output
Teflon® NPT	PS28000	4-20mA
316 SS	PS2S8500	4-20mA

* ANSI Flange Available

SPECIFICATIONS

Working Frequency	80 GHZ
Range	0 - 34'	0 - 10m
Repeatability	±3mm	0.11"
Resolution	1mm	0.04"
Beam Angle	8°
Response Rate	1.1 Sec
Accuracy	> 0.1% 4mm 0.16"
Temperature	PTFE	316SS (-40 - 130°C)	(-40 - 266°C)
Output Signal	4-20mA	Hart
Vacuum	Pressure	-14.5Hg	-362 Psi
Power Supply	24VDC 2-Wire Loop Powered
Connection	2" NPT	150 lb ANSI Flange
Communication	4-20mA	RS485
Dimensions	96 x 48 x 98 mm
Enclosure Rating	NEMA 4X	IP67
Enclosure-Material	GFPP