

LevelPro® — UltraPro® 2000 Series Ultrasonic Liquid Level Sensor Transmitter

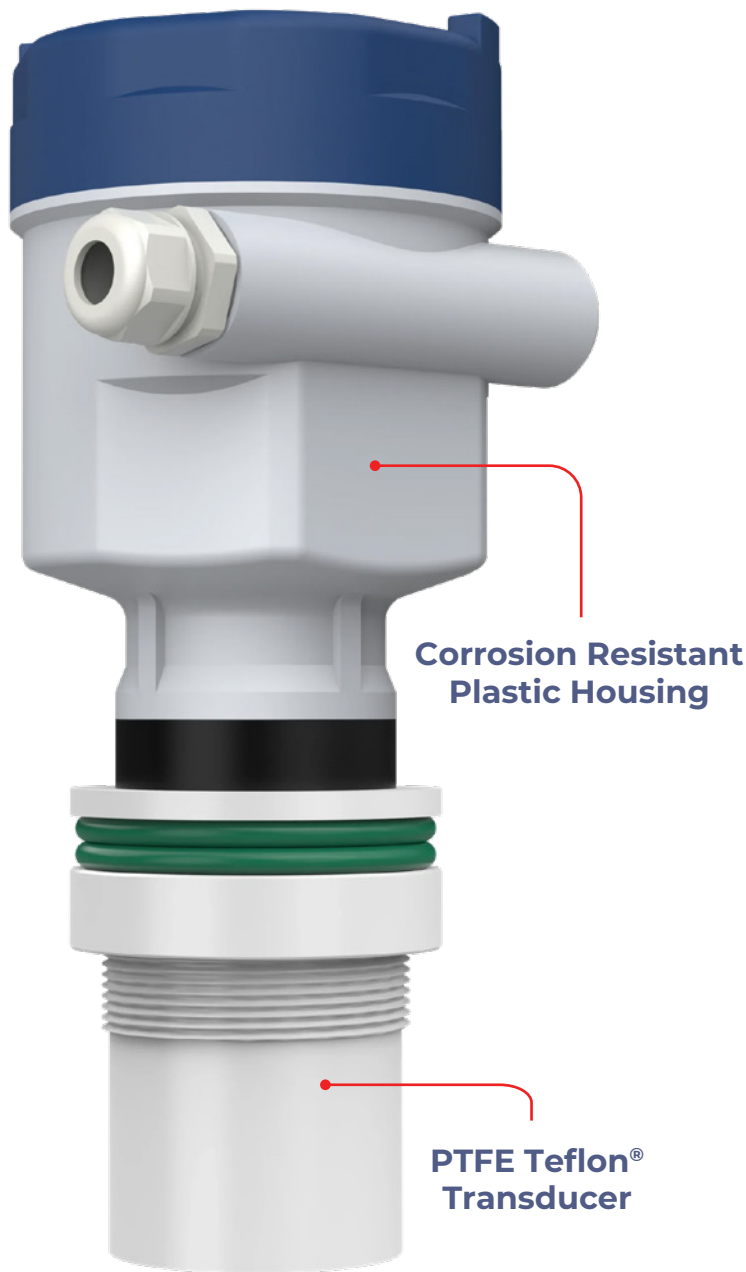
ICON™ Corrosion-Free
PROCESS CONTROLS Instrumentation Equipment™



LevelPro®

LevelPro® — UltraPro® 2000 Series

Ultrasonic Liquid Level Sensor Transmitter



Features

- ✓ Up to 0.15% Accuracy
- ✓ Deadband of 8"
- ✓ Simple Programming | Under 1 minute
- ✓ Loop Powered | 2 Wire (4-20mA) Output
- ✓ Explosion Proof Option
- ✓ Narrow Beam Technology
- ✓ No FOB or Computer Required

The UltraPro® 2000 Ultrasonic Level Sensor Transmitters are 2-Wire loop-powered sensors designed to provide reliable and accurate continuous liquid level measurement. The UltraPro® 2000 Series are very reliable and offer both 4-20mA analog output with HART protocol or RS-485 Modbus.

Some key applications for the UltraPro® 2000 include: Chemical Storage Tanks, Waste Sumps, Bulk Storage, Tanker Trucks, Day Tanks, Process Tanks, Neutralization Tanks, and Wastewater applications.

The UltraPro® 2000 Series are designed to work with most types of remote instrumentation such as remote displays and remote monitoring solutions.

Local Display

- ✓ Visual Level Indication
- ✓ Simple Programming
- ✓ Loop Powered
- ✓ LCD Display



Model Selection

UltraPro® 2000 — Ultrasonic Level Transmitter		
Part Number	Material	Output
UPS-2000-5	Teflon®	4-20mA
UPS-2000-10	Teflon®	4-20mA
UPS-2000-5-XP	316SS	4-20mA
UPS-2000-10-XP	316SS	4-20mA

UPS-2000-5-XP

5 = 5m Ex XP = Explosion Proof ▶ Consult Factory for Pricing
10 = 10m



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Technical Specifications

General	
Sensing Range	0.1 to 33ft 0.03 to 10m
Resolution	<0.04" 1mm
Accuracy	5m: 0.2% 10m: 0.15%
Temperature Error	Max 0.04% K
Maximum Overpressure	14.5 Psi 0.1MPa
Measuring Period	1m{0.5s} 2m{0.5} 6m{1.2s} 10m{1.2s} 20m{5s}
Maximum Current Output Load	@ U = 24VDC Rmax = 270 @ U = 22VDC Rmax = 180 @ U = 20VDC Rmax = 90
Delay Between Rise Time	1m{5s} 2m{5s} 6m{5s} 10m{9s} 20m{9s}
Minimum Voltage Load	Rmin > 1k Ohm
Protection Class	NEMA 4X IP66
Materials	
Sensor Body	PTFE Teflon® 316SS (Explosion Proof)
O-Rings	FKM
Housing	ABS
Electrical	
Output	4-20mA (Limit values 3.9 – 20.5mA) / HART
Supply Voltage	18 to 36 VDC ± 10% regulated
Supply Current	4-20mA, Max 22mA 0 to 10V (limit values 0 to 10.2V)
Display	
LCD	
Operating Temperature	
PTFE	-22°F to 158°F -30°C to 70°C
ABS	32°F to 140°F 0°C to 60°C
Standards & Approvals	
CE FCC RoHS Compliant	

Optional — Add an External Display



ShoPro



TVL



TVU

