

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

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

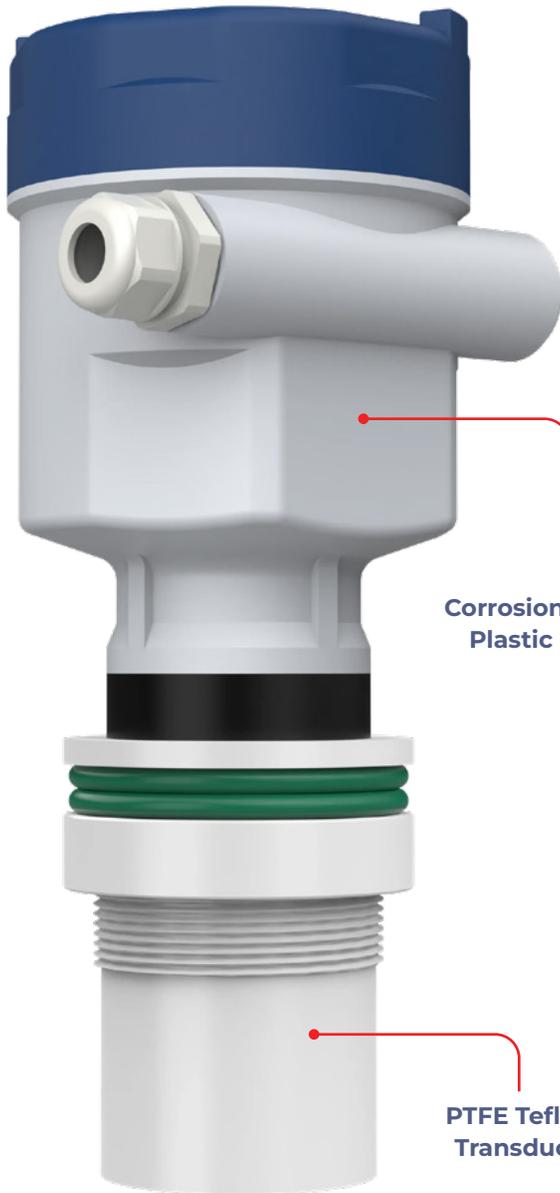


UltraPro Series  
Product Name: Ultrasonic Level Sensor  
Model Code: UIPS-2000-S  
Power Supply: 24V DC  
Measuring Range: 0-5m  
Signal Output: 4-20mA  
Protection Grade: IP66  
Factory Number: G24011354

LevelPro®

# LevelPro® — UltraPro® 2000 Series

## Ultrasonic Liquid Level Sensor Transmitter



**Corrosion Resistant Plastic Housing**

**PTFE Teflon® Transducer**

### Model Selection

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

Add Suffix - "H" ▶ 4-20mA + HART Output



### Features

- ✓ Up to 0.15% Accuracy
- ✓ Deadband of 8"
- ✓ Simple Programming | Under 1 minute
- ✓ Loop Powered 4-20mA | HART
- ✓ 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 and 4-20mA + HART outputs.

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



**LCD Display**

**Graphical Level Indication**

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## Ultrasonic Liquid Level Sensor Transmitter

### Technical Specifications

General	
Sensing Range	5m (16.4ft)   10m (32.8ft)
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

