UltraPro Series

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

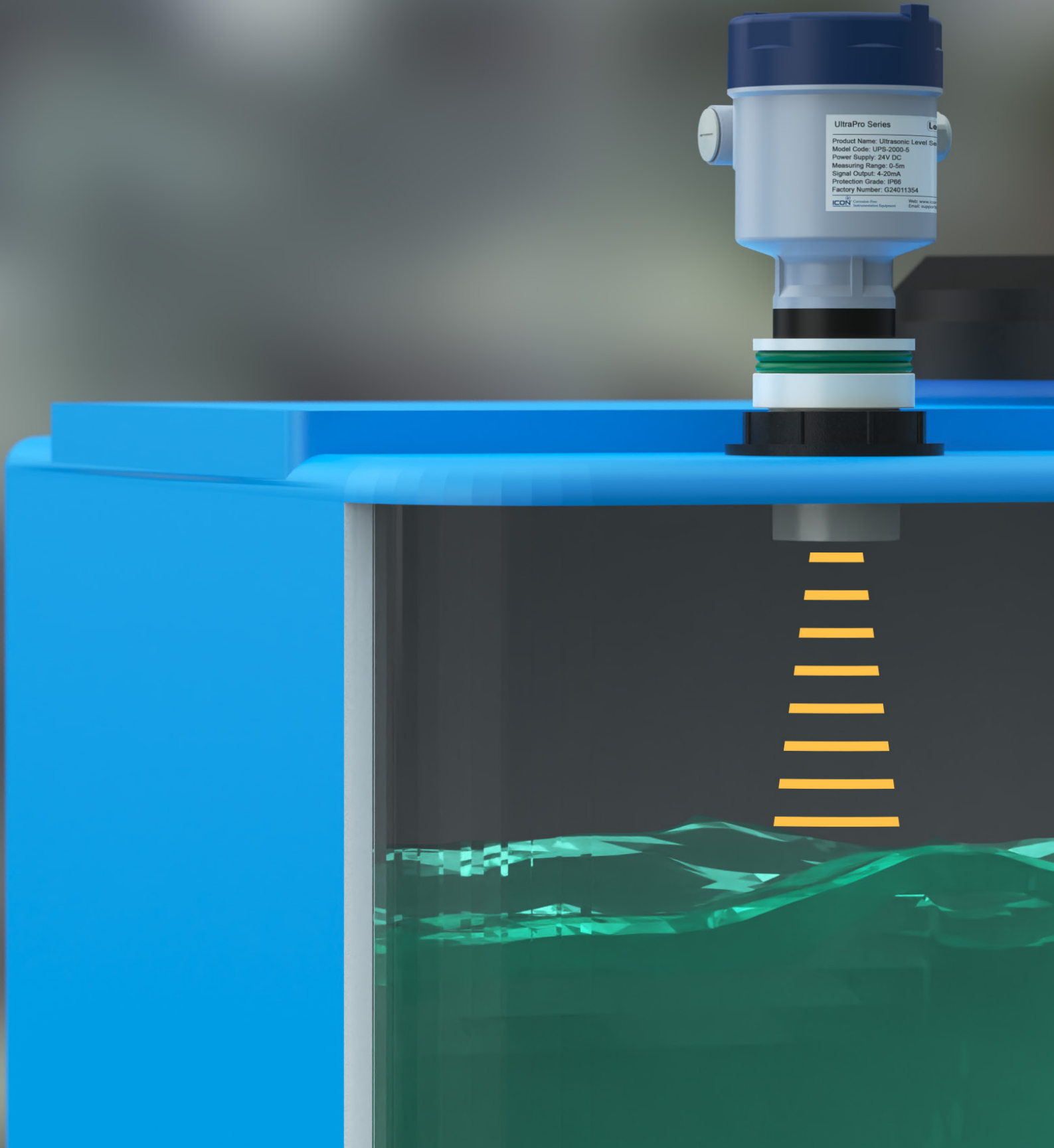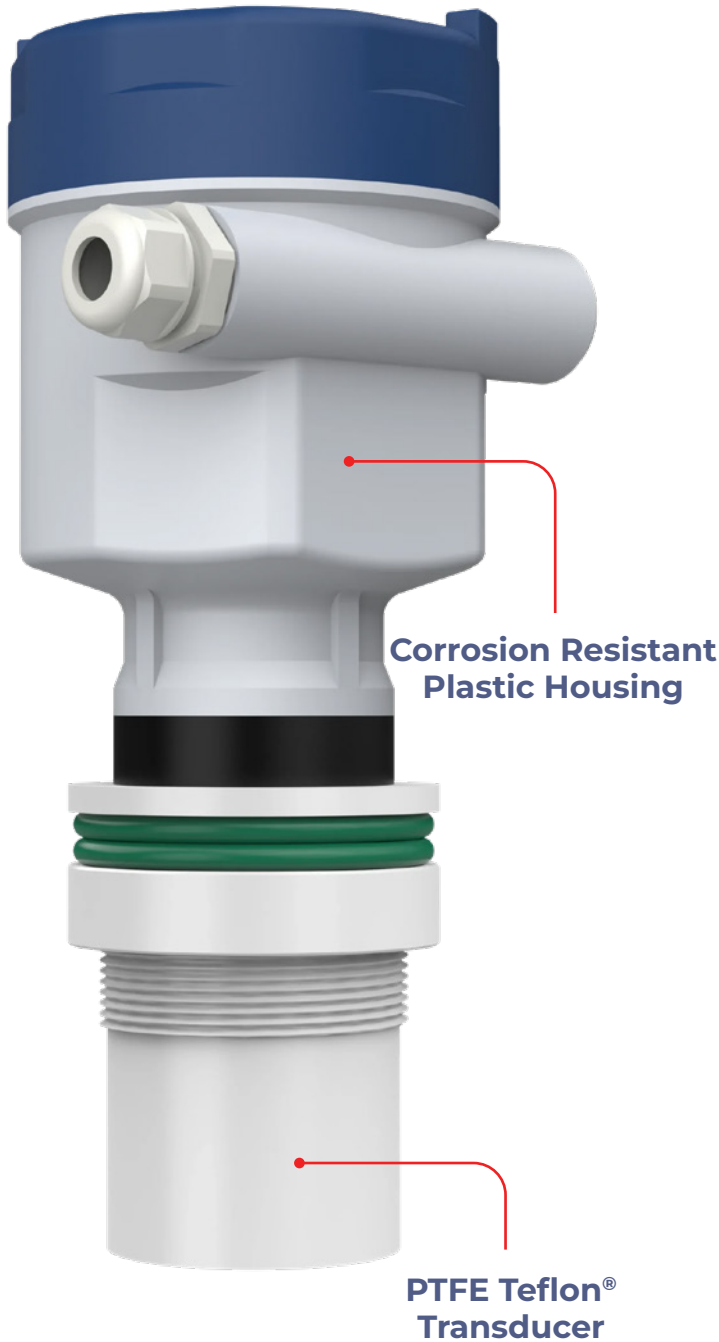ICON Corrosion-Free Instrumentation Equipment
Web: www.ico
Email: support

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

ICON PROCESS CONTROLS™ Corrosion-Free Instrumentation Equipment

LevelPro®

Features

- ✓ Up to 0.15% Accuracy
- ✓ Small Dead Band
- ✓ 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.

Corrosion Resistant Plastic Housing

PTFE Teflon® Transducer

Local Display

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

SimplConnect™ Cable Grip Connectors

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

ABS PVDF PTFE FKM RoHS Compliant CE

LCD Display

Graphical Level Indication

L 03.234 m
14.348mA
ULTRAPRO 22.9°C
SET

LevelPro UltraPro Series www.iconprocon.com

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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	14.5Psi | 0.1MPa
Beamwidth	Size Dependant
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 | IP67
Materials	
Sensor Body	PTFE Teflon® | 316SS (Explosion Proof)
O-Rings	FKM
Housing	ABS
Electrical	
Output	4-20mA (Limit values 3.9 – 20.5mA), HART RS485 with Modbus RTU
Supply Voltage	18 to 36 VDC ± 10% regulated
Supply Current	4-20mA, Max 22mA | 0 to 10V (limit values 0 to 10.2V)
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