

# 300S Series

## Continuous Submersible Level Sensor



### LP100 Junction Box

Sold Separately



Eliminates Vapor From Entering Junction Box

### Features

- ✓ Higher Accuracy:  $\pm 0.5\%$
- ✓ 316 SS — Superior Chemical/Corrosion Resistance
- ✓ Teflon® Jacketed Cable
- ✓ Kalrez® (FFKM) O-Ring Seal
- ✓ Works on Foam | Vapor | Turbulence | Condensate
- ✓ No Floating
- ✓ IP68 | NEMA 4X Enclosure

## The Solution to Tough Applications Where Ultrasonic Sensors Simply DO NOT WORK!

The LevelPro® 300S continuous submersible level transmitter and tank level junction box are a perfect pair for applications where ultrasonic sensors aren't going to work.

Accurately measure tank levels with this rugged combination that's simple to use and boasts superior chemical resistance along with industry exclusive features.

### 300S

### 316SS Sensing Diaphragm

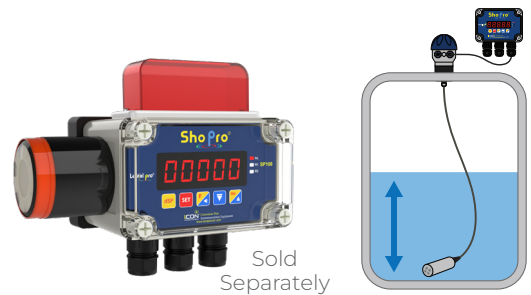
### Teflon® Jacketed Cable

### Displays

The 300 Series can be easily connected to one of our many displays or to an existing PLC.

#### ShoPro® SP100 Series

- All in One Controller
- NEMA 4X Enclosure + Cord Grip
- Power Supply Output: 24 VDC
- Optional Audio & Visual Alarms



Sold Separately



FFKM

PTFE

316SS



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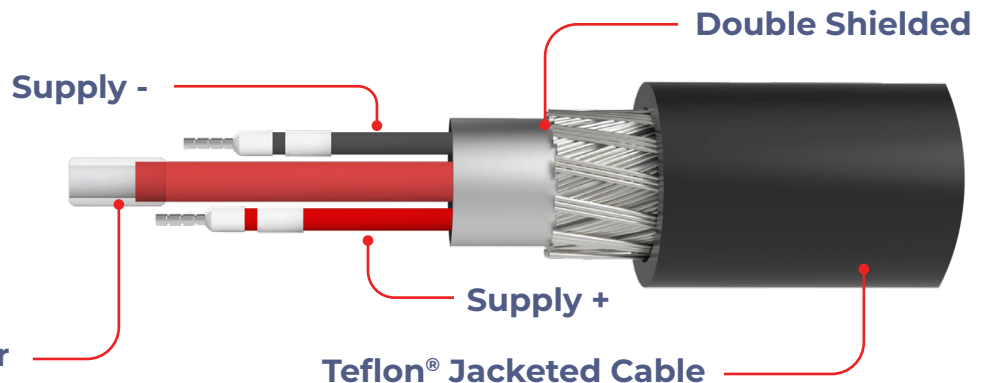
### Specifications

Input Pressure Range	
Level ft/H <sub>2</sub> O	14   20   34   54 *Consult Factory for Levels > 34 ft
Overpressure   Psi	210   290
Output Signal   Supply	
Output Signal	4-20mA   4-20mA + Hart 2 Wire   0.5-4.5 VDC Ratiometric   0-5 VDC   RS-485 3 Wire
Power Supply	24 VDC   5VDC
Performance	
Accuracy	<±0.5% of FS
Permissible Load	Current 2-wire — $R_{max} = [(V_s - V_{smin}) / 0.02 A] \Omega$   Voltage 3-wire — $R_{min} = 10K\Omega$
Influence Effects	Supply: 0.05% Full Scale/10V   Load: 0.05% Full Scale/K $\Omega$
Long Term Stability	<± 0.1% Full Scale Over One Year
Response Time	<10 msec
Thermal Effects   Offset and Span	
Thermal Drift	<± 0.02% FSO/K in Compensated Range   -13°F – 178°F   -25°C – 85°C
Permissible Temperatures	
Storage/Media Temperatures	-25°C – 85°C
Electrical Protection	
Short-Circuit Protection	Permanent
Reverse Polarity Protection	No Damage to Sensor
Electromagnetic Compatibility	Emission Immunity According to EN 61326
Electrical Connection	
Jacketed Cable	PTFE   Teflon -40 – 180°F
3-Wire Cable with Integrated Air Tube for Reference to Atmospheric Pressure	
Materials   Wetted	
Housing	316L SS
Seal	Welded 316L SS
Diaphragm	316L SS
General	
Current Consumption	Max. 25mA
Weight   Grams	316 SS   875g
Ingress Protection	IP 68   NEMA 4X
CE-Conformity	EMC Directive: 2004   108   EC

\*Contact Factory for different options

### Wiring

24VDC	Color
Supply +	Red
Supply -	Black



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### Model Selection

300S- 1001 - A - 11

Range (ft/H <sub>2</sub> O)	Output
1401: 14.0	A: 4-20mA
1201: 20.0	R: Ratiometric
1001: 34.0	V: 0-10 Voltage
4001: 54.0	RS: RS485



### Frequently Ordered With:

#### LP100

Levelpro LP100 Series Junction Box, PP Material, Viton VaporBloc®, NEMA 4X, 2" NPT Connection, Gortex® Breather



#### SP100

Levelpro ShoPro Series LED Display & Controller, 4-20mA Input, NEMA 4X Enclosure, Wall Mount, 120VAC

Optional Audio & Visual Alarms

