300S Series
Continuous Submersible Level Sensor

LevelPro®

LP100 Junction Box

Sold Separately



VaporBloc®



Eliminates Vapor From Entering Junction Box

Features

- Higher Accuracy: ±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

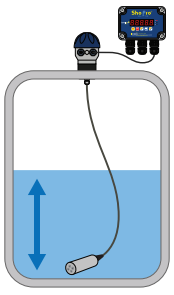
The 300 Series can be easily connected to one of our many displays or to an existing PLC.

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 | RoHS Compliant | CE

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300S Series
Continuous Submersible Level Sensor

Specifications

Input Pressure Range	
Level ft/H_2O	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 — Rmax = [(Vs-Vsmin)/0.02 A]Ω | Voltage 3-wire — Rmin = 10KΩ
Influence Effects	Supply: 0.05% Full Scale/10V | Load: 0.05% Full Scale/KΩ
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	

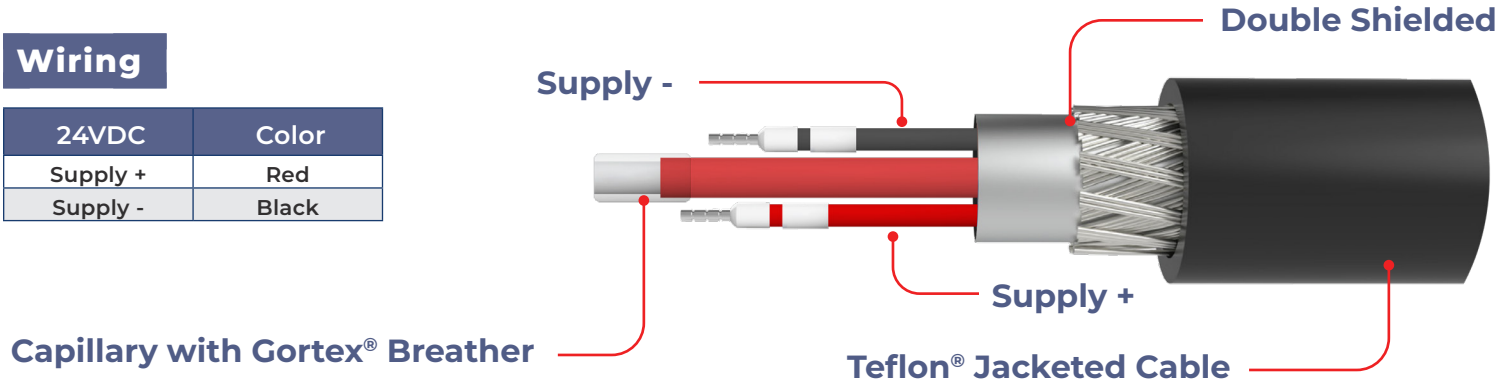
Materials | Wetted	
Housing	316L SS
Seal	Welded 316L SS
Diaphragm	316L SS

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_2O)	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



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