

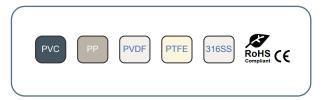


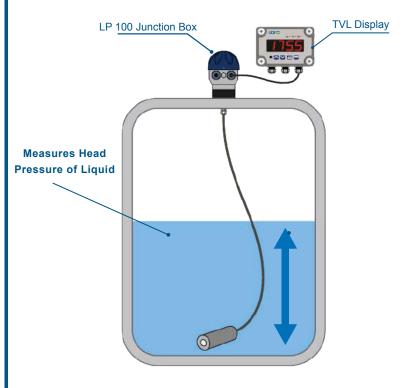
- ☐ Foam | Vapor | Condensate | Turbulence
- No Lost Signals | No Dead Band
- No Calibration Required





LP100 Junction Box Sold Seperately





#### **Pressure Measurement**

Ranges up to 150ft

## **Output Signal**

□ 4-20mA | Hart RS485 | 0.5-4.5VDC | 0-5VDC | Ratiometric/non-ratiometric

#### **Features**

- Non Clogging Design | Great With Sediment
- ☐ Heavy Duty Rugged Design
- No Moving Parts
- Automatic Temperature Compensation
- □ 2x as Heavy as Competitors | No Ceramic Weights Required
- Custom Ranges | Cable Lengths
- ☐ Filtered Capilary | No Desiccant Pack Required

## 100 Series Continuous Submersible Level Transmitter



#### **Input Pressure Range**

Level ft/H2O		14.0	20.0	34	54	*Consult Factory for Levels > 54 ft
Overpressure	psi	210	290	290	380	
Burst Pressure >	psi	290	580	580	720	

## Output Signal | Supply

Standard	4-20mA   4-20mA + Hart 2 Wire   0.5-4.5 VDC Ratiometric   0-5 VDC   RS485 3 Wire
Power Supply	4-20mA } 24 VDC    0.5-4.5VDC Ratiometric    0.5-4.5VDC } 5VDC    RS 485 HART } 24VDC

#### **Performance**

Accuracy	<± 0.5% Full Scale or Better					
Permissible Load	$R_{\text{max}} = [(Vs-Vs_{\text{min}})/0.02 \text{ A}]$					
Influence Effects	Supply : 0.05% Full Scale Load : 0.05% Full Scale					
Long Term Stability	<± 0.1% Full Scale Over One Year					
Response Time	<10 msec					
1Acquire of According to IFC 60770. Limit Doint Adjustment LNep Linearity Llyeteroois LDepostobility						

<sup>1</sup>Accuracy According to IEC 60770 - Limit Point Adjustment | Non-Linearity | Hysteresis | Repeatability

#### Thermal Effects | Offset and Span

Thermal Error <± 0.2% FSO/K
in Compensated Range -25 - 70°C | -13 - 158°F</pre>

#### **Permissible Temperatures**

Permissible Temperatures PVC -20°F - 140°F | PP -20° - 178° F | PVDF -30°F - 212°F | PTFE -30°F - 212° F 316SS -30°F - 212°F

#### **Electrical Protection**

\* For non Freezing Liquids

Short-Circuit Protection	Permanent
Reverse Polarity Protection	No Damage to Sensor
Electromagnetic Compatibility	Emission Immunity According to EN 61326
Short-Circuit Protection	Permanent

#### **Electrical Connection**

Jacketed Cable	PTFE Teflon <sup>®</sup>   0 - 200°F
3 Wire Cable with Integrated Air	Tuhe for Atmospheric Pressure Reference

#### **Materials | Wetted**

Housing	PVC   PP   PVDF   PTFE   316SS
Seal	FFKM - Kalrez ®
Diaphragm	Ceramic 96% AI203  316SS

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## **Miscellaneous**

Current Consumption	Max. 25mA
Weight Grams	PVC 500g   PP 400g   PVDF 750g   PTFE Teflon® 750g
Ingress Protection	IP 68
CE-Conformity	EMC Directive: 2004   108   EC

## **Model Selection**

												1	1	3 3		
Pressure			<u> </u>									'				'
ft/H20		1 9	1													
Input	ft/H₂0		<u> </u>									'				'
	14.0		1	4	0	1										
	20.0		1	2	0	1										
	34.0		1	0	0	1										
	54.0		4	0	0	1										
Housing												'				
	PVC						Α									
	PP							В								
	PVDF								Е							
	PTFE									Т						
	316SS										SS					
Cable Length: 14ft	t } 5m   20ft } 10m   34ft } 1	1m														
	M-Meters															

Note: Consult Factory for Different Level Ranges | example: 0 - 34' Range -15M Cable Length \*Cable Comes Equipped with Integrated Air Tube for Atmospheric Pressure Reference