

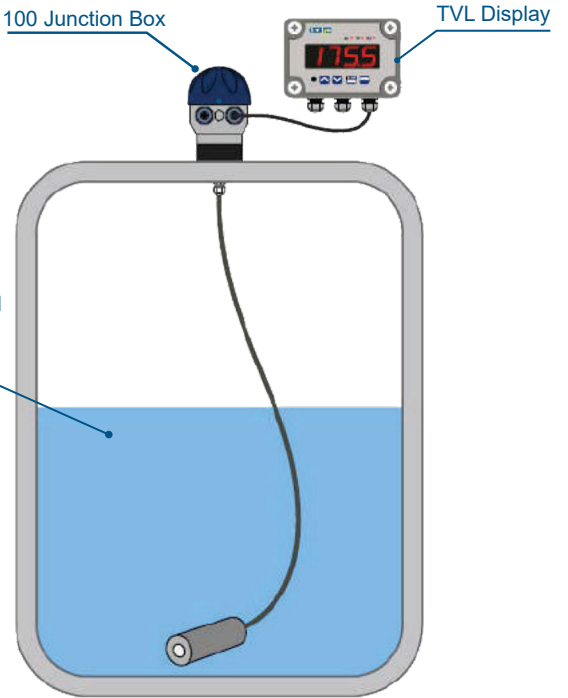
# 100 SERIES

## Continuous Submersible Level Transmitter

- ❑ The Solution to Tough Applications Where Ultrasonic Sensors Simply DO NOT WORK!
- ❑ Foam | Vapor | Condensate | Turbulence ❑
- ❑ No Lost Signals ❑
- ❑ **1R80LEUDWLR5ITLUHG**



Measures Head Pressure of Liquid



### 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
- ❑ **WRP5DJHVD EOH/HJKV**
- ❑ **LOWHGGDSL ODRHVL EEDWENSHITLHG**

**WLR5R06SHUDWHO**

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## Continuous Submersible Level Transmitter



### Input Pressure Range

Level ft/H <sub>2</sub> O	14	*Consult Factory for Levels > 54 ft
Overpressure	psi	210
Burst Pressure >	psi	290

### 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	$R_{max} = [(V_s - V_{smin}) / 0.02 A]$	
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	

\*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	
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### Permissible Temperatures

Permissible Temperatures	PVC -32°F - 140°F   PP -4° - 178° F   PVDF -30°F - 212°F   PTFE -30°F - 212°F 316SS -30°F - 212°F	
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### Electrical Protection

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®   0 - 200°F	
3 Wire Cable with Integrated Air Tube for Atmospheric Pressure Reference		

### Materials | Wetted

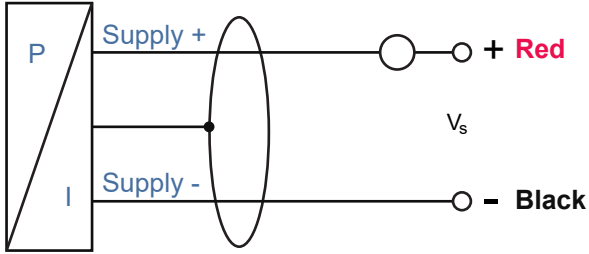
Housing	PVC   PP   PVDF   PTFE   316SS	
Seal	FFKM - Kalrez®	

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### Wiring



2-Wire-System | 4-20mA

#### Electrical

#### DC Power Only

24VDC	Cable Colours
Supply +	Red
Supply -	Black
Shield	Yellow

### Ordering Code 100 Series

																		1	1	3	3									
<b>Pressure</b>																														
ft/H <sub>2</sub> O										1	9	1																		
<b>Input</b>		<b>ft/H<sub>2</sub>O</b>																												
	14.0	1	4	0	1																									
	20.0	1	2	0	1																									
	34.0	1	0	0	1																									
	54.0	4	0	0	1																									
<b>Housing</b>																														
	PVC	A																												
	PP					B																								
	PVDF					E																								
	PTFE							T																						
	316SS							SS																						
<b>Cable Length</b>																														
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

