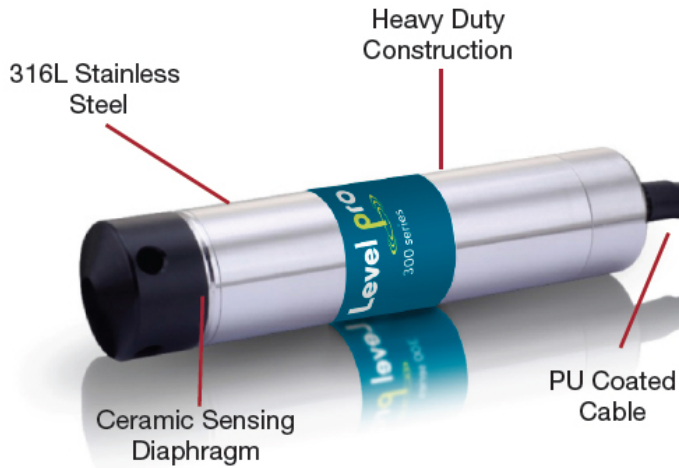


"Taking Your Pressure to a Higher Level"



300 series Industrial Level Transmitter

316 L Stainless Steel Pressure Transmitter Ceramic Sensing Diaphragm Explosion Proof Design

Pressure Measurement

0 ... 5.8 PSI up to 0 ... 33.5PSI
14 ft/H₂O - 78 ft/H₂O

Output Signal

2 wire: 4-20 mA

Features

- ▶ Small Footprint - Compact Design
- ▶ Small Thermal Effect
- ▶ Excellent Accuracy
- ▶ Excellent Long Term Stability
- ▶ Heavy Duty Design
- ▶ No Moving Parts
- ▶ Automated Temp Compensation
- ▶ Cable Protection Via Corrugated Pipe Option
- ▶ Different Heavy Duty Cable Materials Available
- ▶ Different Kinds of Seal Materials Available
- ▶ Flush Sensor - Non Clogging
- ▶ Excellent for Foam or Vapor

* Check Chemical Resistance

The Stainless Steel 300 Series Pressure Transmitter is Designed for Continuous Level Measurement in Water/ Waste Water, Fuel, Oils, Solvents

Applications

Water/Filtrated Sewage

- Pump and Booster Stations
- Water Treatment
- Waste Treatment
- Waste Sumps

Fuel/Oil

- Fuel Storage
- Tank Farm
- Oil Tanks

Excellent for Both Small Tanks, Totes or Large Tanks up to 54 feet in Height



316SS/PVDF LEVEL TRANSMITTER

Pressure Range					
Pressure PSI	5.8	8.7	14.5	23.0	33.5
Liquid Level ft/H ₂ O	14.0	20.0	34.0	55.0	78.0

Output Signal/Supply	
Standard	2-wire: 4-20mA Vs 8-32VDC

Performance	
Accuracy	Standard < ± 0.35% full scale
Long Term Stability	<± 0.1% FS/year
Turn-on Time	<700 msec
Mean Response Time	<200 msec
Max. Response Time	<380 msec measuring rate: 5/sec

Thermal Effects (Offset and Span)	
Thermal Error	<± 0.1% FS/ 10 K within compensated range 0 - 70 °C 32 °F - 160 °F

Permissible Temperatures	
Permissible Temperatures	Normal -25 - 100°C
Mean Response Time	Electronic/Environment -25 - 100°C
Max. Response Time	Normal -25... 100°C

Electrical Protection	
Short-circuit Protection	Yes - Permanent
Reverse Polarity Protection	Yes - No damage
Electromagnetic Compatibility	Emission and Immunity

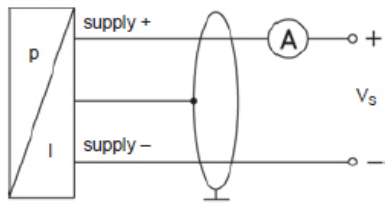
Electrical Connection	
Cable with sheath material	-25 °F -160°F

Materials (wetted)	
Housing	316 SST
Seals	FKM/EPDM/FFKM (KALREZ®)
Diaphragm	Ceramic Al ₂ O ₃

Miscellaneous	
Current Consumption	Max. 21 mA
Weight	320g (w/o cable)
Ingress Protection	IP 68

Wiring Diagram

2-wire-system (current)



Pin Configuration	
Electrical Connection	Cable Colors
	Supply+ wh (white)
	Supply- bn (brown)
Shield	(green/yellow)

Ordering code 300 Series													
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Pressure													
	PSI		3	8	0								
	ft/H ₂ O		3	8	F								
Input													
	PSI	ft/H₂O											
	5.8	14.0		1	4	0	1						
	8.7	20.0		2	0	0	1						
	14.5	34.0		3	4	0	0						
	23.0	54.0		5	4	0	0						
	33.5	78.0		7	8	0	0						
Housing													
	Stainless Steel (316L)			A									
Diaphragm													
	Ceramics Al ₂ O ₃			2									
Output													
	Intrinsically safe	4-20mA /2-wire	E										
Seals													
	FKM			1									
	EPDM			3									
Accuracy													
	0.5 %			5									
Electrical Connection													
	PVC cable ¹			1									
Cable Length													
	in m			9		9	9						
Special Version													
	3			3		0	0						
	5			5									
	10					1	0						
	X (Consult)					x							

¹cable comes with integrated air tube for atmospheric pressure reference

"Taking Your Pressure to a Higher Level"