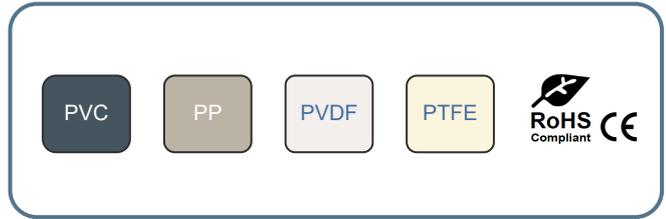


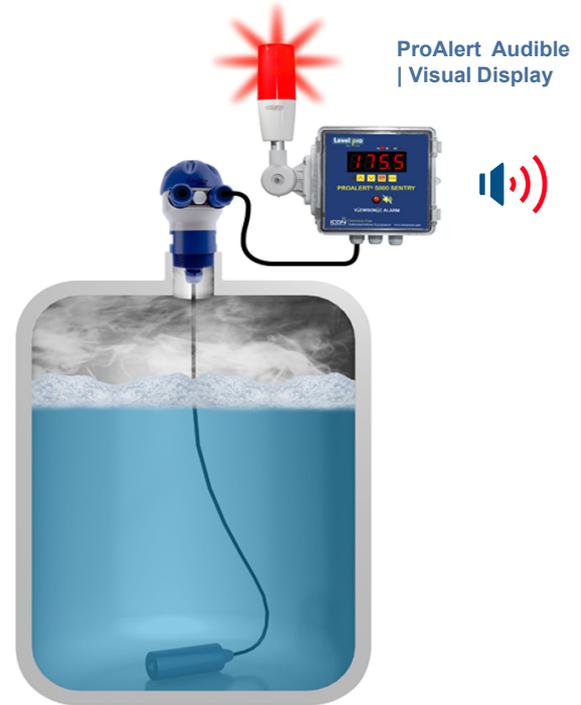
200C SERIES CAPACITIVE CERAMIC Continuous Submersible Level Transmitter



- Higher Accuracy | Superior Chemical Resistance
- Works on Foam | Vapor | Turbulence | Condensate
- Integrally Molded Internal Weight | No Floating



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



Capacitive Ceramic Sensing Technology

Capacitive Ceramic is Designed for Continuous Level Measurement of Aggressive Liquid Media

- Superior Chemical Resistance
- Larger Sensing Area
- Suitable for Viscous Media

200C Features

- Lower Temperature Range | -40°F
- Flush Sensor - Non Clogging Design
- Heavy Duty PTFE Teflon® Cable
- High Accuracy | 0.25% Full Scale
- Capable of Measuring Liquid Levels 150'
- No Lost Signals
- No Dead-Band

Displays

The 200C Series can be connected to one of our many displays.



LP Submersible Junction Box



VaporBloc®



Features

- VaporBloc®
- Technology Corrosion
- Resistant NEMA 4X

200C SERIES CAPACITIVE CERAMIC Continuous Submersible Level Transmitter



Input Pressure Range

Level ft/H ₂ O	ft	14	20	34	54
Overpressure		14X	14X	10X	10X

Output Signal | Supply

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

Performance

Accuracy	<±.25% Std .125% Opt
Permissible Load	$R_{max} = [(V_s - V_{smin}) / 0.02 A] \Omega$
Influence Effects	Supply: 0.05% Full Scale/10V Load: 0.05% Full Scale/K Ω
Long Term Stability	<± 0.1% Full Scale over One Year
Response Time	<150 msec or better

Thermal Effects | Offset and Span

Thermal Drift	<± 0.02% FSO/K in Compensated Range -20 -178°F
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Permissible Temperatures

Storage Temperatures Media Temperatures	PVC 32°F - 140°F PP -20°F - 178°F PVDF -40°F - 212°F PTFE -40°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 [®] -40 - 200°F
3-Wire Cable with Integrated Air Tube for Reference to Atmospheric Pressure	

Materials | Wetted

Housing	PVC PP PVDF PTFE Teflon [®]
Seal	FFKM - Kalrez [®]
Diaphragm	Pure Ceramic 99.9% Al ₂ O ₃

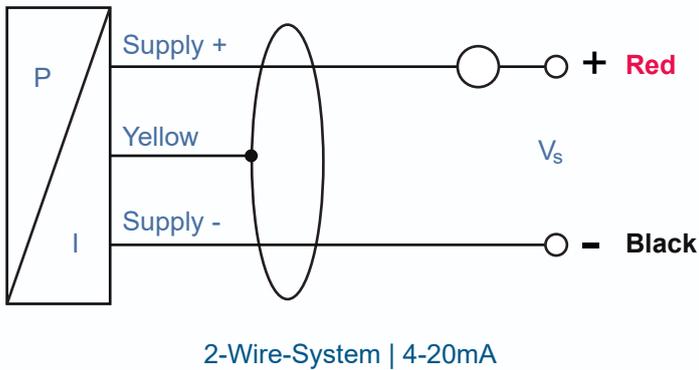
200C SERIES CAPACITIVE CERAMIC Continuous Submersible Level Transmitter



Specifications

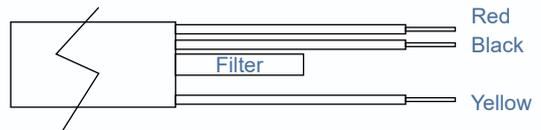
Current Consumption	Max. 25mA
Weight Grams	PVC 575g PP 475g PVDF 825g PTFE Teflon® 875g
Ingress Protection	IP 68
CE-Conformity	EMC Directive: 2004 108 EC

Wiring



Electrical Connection

24VDC	Cable Colours
Supply +	Red
Supply -	Black



Ordering Code

Pressure		Input		Housing		Cable Length	
ft/H ₂ O	200C	ft/H ₂ O	14.0 20.0 34.0 54.0	PVC PP PVDF PTFE	A B E T	5 10 15 20 25	

