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

PVC | PP | PVDF | PTFE | RoHS Compliant | CE



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

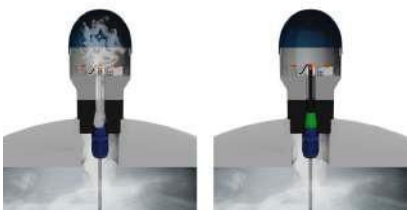
- Lower Temperature Range | -40°F
- Flush Sensor - Non Clogging Design
- Heavy Duty PTFE Teflon® Cable
- High Accuracy | 0.25% Full Scale
- Capable of Measuring Liquid Levels 150'
- No Lost Signals
- No Dead-Band

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

www.iconprocon.com | sales@iconprocon.com | 905.469.9283

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Input Pressure Range

Level ft/H2O	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	$R_{max} = [(Vs-Vs_{min})/0.02\ A]\Omega$
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	<150 msec or better

Thermal Effects | Offset and Span

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

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

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

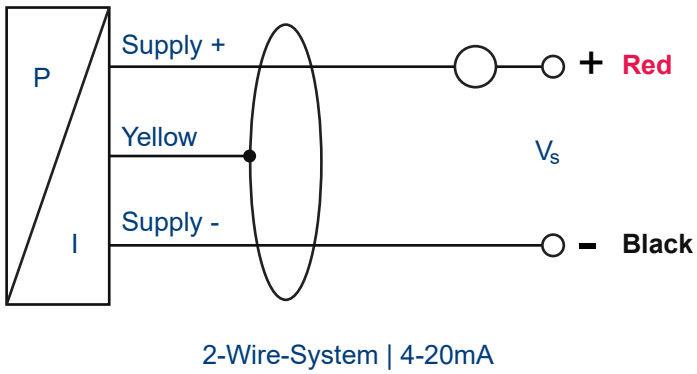
Housing	PVC | PP | PVDF | PTFE Teflon®
Seal	FFKM - Kalrez®
Diaphragm	Pure Ceramic 99.9% Al2O3

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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

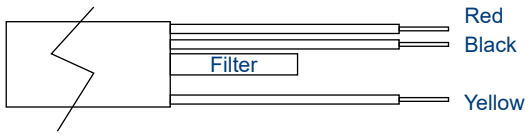
Wiring



2-Wire-System | 4-20mA

Electrical Connection

24VDC	Cable Colours
Supply +	Red
Supply -	Black



Ordering Code

																			1	1	3	3				
Pressure																										
	ft/H20	2	0	0	C																					
Input	**ft/H20**																									
	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									A																
	PP										B															
	PVDF											E														
	PTFE												T													
Cable Length																										
Note: Consult Factory for Different Level Ranges 5 | 10 | 15 | 20 | 25																										

RoHS Compliant CE