

Conductivity Sensors

Icon Process Conductivity Sensors



MODEL	C250	C350	C450	C550
MEASURING RANGE	0 - 2µS 0 - 10µS	0 - 20µS 0 - 200µS 0 - 2,000µS	0 - 100µS 0 - 1,000µS 0 - 10,000µS 0 - 200,000µS	0 - 10,000 µS/cm
MEASUREMENT METHOD	Bipolar			
ELECTRODE CONSTANT	K = 0.01		K = 0.01 0.1 1.0 10	K = 1.0
MATERIAL	Titanium Alloy	316L Stainless Steel	Titanium Alloy	Graphite + PMMA
TEMPERATURE	32 - 176°F	32 - 266°F	14 - 176°F	
PRESSURE	0 - 150Ps	0 - 80Psi	0 - 150Psi	0 - 100Psi
TEMPERATURE SENSOR	Pt1000 (std)			
CONNECTION	NPT 3/4"	Sanitary Tri-Clamp	NPT 3/4"	
STANDARD CABLE LENGTH	5m			
CABLE CONNECTION	J-Box Flying Lead	Flying Lead	J-Box Flying Lead	



MODEL	C554	C650	C750	C850	C950
MEASURING RANGE	0-500,000 µS/cm	0 - 100µS 0 - 1,000µS 0 - 10,000µS 0 - 200,000µS	0 - 2,000mS	0 - 500,000 µS/cm	0 - 100µS 0 - 1,000µS 0 - 10,000µS 0 - 200,000µS
MEASUREMENT METHOD	Quadrupole	Bipolar			
ELECTRODE CONSTANT	K = 0.4	K = 0.01 0.1 1.0 10	Toroidal	K = 0.4	K = 0.01 0.1 1.0 10
MATERIAL		Titanium Alloy	PFA Teflon® PP	Graphite + PMMA	Stainless Steel
TEMPERATURE		32 - 176°F	14 - 266°F	14 - 176°F	14 - 250°F
PRESSURE		0 - 90Psi	0 - 150Psi		
TEMPERATURE SENSOR	NPT 3/4"				
CONNECTION					
STANDARD CABLE LENGTH	5m				
CABLE CONNECTION	J-Box Flying Lead	Flying Lead	J-Box Flying Lead	Flying Lead	

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LIQUID MONITORING

Icon Process Conductivity Controllers

C300 Series



C400 Series



C500 Series



C700 Series



U900 Series



MODEL	C300	C400	C500	C700	U900
RANGE	0 – 500ms/cm				
RESOLUTION	0.01µS/cm; 0.01mS/cm				
ERROR OF INDICATION	±0.5%F.S				
STABILITY	±0.2%F.S/24h				
TEMPERATURE	0 – 150.0°C (Electrode Specific)				
TEMPERATURE RESOLUTION	0.1°C				
TEMPERATURE	±0.3°C				
TEMPERATURE COMPENSATION RANGE	0 – 150°C				
TEMPERATURE COMPENSATION	Automatic or Manual				
OUTPUT CURRENT	Two (2) x 4 – 20mA Outputs				
COMMUNICATION	RS485 Modbus				
DATA RECORDING	-		Data Recording/Trend Chart Display		
RELAY CONTROL CONTACT	Two (2) Relays: 3A Outputs		Three (3) Relays: 5A Outputs		
OPTIONAL POWER SUPPLY	85 – 265VAC or 9 – 36VDC				
WORK ENVIRONMENT	Avoid magnetic field interference				
ENVIRONMENT TEMPERATURE	14 – 140°F -10 – 60°C				
RELATIVE HUMIDITY	≤ 90%				
PROTECTION GRADE	IP65			NEMA 4X, IP66	
MOUNTING HOLE SIZE	92.5 × 92.5mm		138 × 138mm	235 × 185 × 120mm	
INSTALLATION	Panel Wall Pipe Mount			Wall Mount	