

AGENCY CERTIFICATIONS

UL	ANSI/UL 61010-1:2004, 2nd Edition*
CAN/CSA	C22.2 No.61010-1:2004 2nd Edition*
CE Safety	EN 61010-1 2nd Edition (2001)*
CE EMC	EN 61326 :1998 Annex A*

Note: For EN61000-4-6,-3 the controller met performance criteria B.

*Class A equipment: Equipment suitable for use in establishments other than domestic, and those directly connected to a low voltage (100-240 VAC) power supply network which supplies buildings used for domestic purposes.

Inputs

Input Power

100-240 VAC, 50/60 Hz, 8A
Fuse: 1.0 ampere, 5 x 20 mm

Input Signals

Conductivity: ± 2000 mV
Temperature Compensation: 100 kohm
Interlock (optional): Isolated, dry contact closure required (i.e. reed switch)

Outputs

Mechanical Relays (5)

Internally powered relays switching line voltage
6A (resistive), 1/8 HP

All relays are fused together in one group, total current for this group must not exceed 6A

4 - 20 mA 1 or 2 (optional)

Internally powered
Fully isolated
600 Ohm max resistive load
Resolution .001% of span
Accuracy $\pm 1\%$ of reading

Sensor Power: ± 5 VDC, 5mA

Measurement Performance

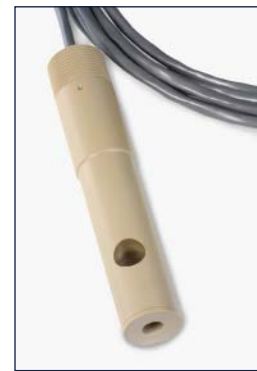
Conductivity Range	50-1000 μ S/cm	1000-10,000 μ S/cm	10-100 mS/cm	100-1000 mS/cm
Resolution	1 μ S	1 μ S	0.1 mS	1 mS
Accuracy	$\pm 3\%$ of reading below 50 μ S/cm accuracy $\pm 25\%$	$\pm 1\%$ of reading below 1000 μ S/cm accuracy $\pm 25\%$	$\pm 1\%$ of reading below 10 mS/cm accuracy $\pm 25\%$	$\pm 1\%$ of reading below 100 mS/cm accuracy $\pm 25\%$
Temperature Range	32 to 212°F (0 to 100°C)			
Resolution	1°F (1°C)			
Accuracy	$\pm 1^\circ$ F ($\pm 1^\circ$ C)			

Mechanical (controller)

Enclosure	Polycarbonate
NEMA Rating	NEMA 4X (IP65)
Display	2 x 16 character backlit liquid crystal
Ambient Temperature	32 to 122°F (0 to 50°C)
Storage Temperature	-20 to 180°F (-29 to 80°C)
Shipping weight	7 lbs (3 kg) (approximately)



CPVC



PEEK

Sensor Specifications

	CPVC	PEEK
O-ring	FKM (in-line mounting)	N/A
Adapter	CPVC (in-line mounting)	316 SS
Dimensions	7" (178mm) L x 1.75" (44mm) diameter	7" (178mm) L x 1.75" (44mm) diameter
Sensing Coil	0.5" (13mm aperture)	0.5" (13mm aperture)
Temperature Limitations	0° to 158°F (0° to 70°C)	0° to 190°F (0° to 88°C)
Pressure Rating	0 to 150 psi (0 to 1 MPa)	0 to 150 psi (0 to 1 MPa)
Mounting	Submersion: 1" NPTM thread In-line: 2" NPTM adapter	1" NPTM thread 2" NPTM adapter
Cable	20 ft. (6 m)	20 ft. (6 m)