

Types of Input Actuations ²	Range		Reference Accuracy		Temp Stability ± Degrees Error Per 1 Degree ΔT
	°F	°C	± °F	± °C	
Thermocouples³					
B	105 to 3300 105 to 150 150 to 500 500 to 1000 1000 to 3300	41 to 1816 41 to 66 66 to 260 260 to 538 538 to 1815	42.00 14.00 3.00 1.50	23.00 7.70 1.70 0.80	2.00 2.00 0.50 0.20
E	-454 to 1832 -454 to -202 -202 to 1832	-270 to 1000 -270 to -130 -130 to 1000	18.00 1.00	10.00 0.55	0.70 0.35
E (low)	-200 to 1100	-129 to 593	0.50	0.30	0.20
J	0 to 1600	-18 to 871	0.40	0.22	0.06
J (low)	20 to 770	-7 to 410	0.20	0.11	0.04
K	-320 to 2500 -320 to 0 0 to 2500	-196 to 1371 -196 to -18 -18 to 1371	1.25 0.60	0.70 0.35	0.18 0.09
K (low)	-20 to 1000	-29 to 538	0.30	0.16	0.05
NNM (Ni Ni Moly)	32 to 2500 32 to 500 500 to 2500	0 to 1371 0 to 260 260 to 1371	0.75 0.50	0.40 0.30	0.09 0.07
NIC (Nicrosil-Nisil)	0 to 2372	-18 to 1300	1.0	0.55	0.01
R	0 to 3100 0 to 500 500 to 3100	-18 to 1704 -18 to 260 260 to 1704	2.00 1.00	1.10 0.55	0.25 0.13
S	0 to 3100 0 to 500 500 to 3100	-18 to 1704 -18 to 260 260 to 1704	2.00 1.00	1.10 0.55	0.23 0.13
T	-300 to 700	-184 to 371	0.60	0.35	0.07
T (low)	-200 to 600	-129 to 316	0.40	0.22	0.07
W5W26	0 to 4200 0 to 600 600 to 3600 3600 to 4200	-18 to 2315 -18 to 316 316 to 1982 1982 to 2315	1.40 1.30 1.60	0.77 0.70 0.90	0.17 0.17 0.29
W5W26 (low)	0 to 2240 0 to 600 600 to 2240	-18 to 1227 -18 to 316 316 to 1227	1.10 1.00	0.60 0.55	0.14 0.10
Radiamatic	1400 to 3400	760 to 1871	1.00	0.55	0.10
RTD					
Platinum					
100 ohms	-300 to 900	-184 to 482	0.40	0.22	0.05
200 ohms (high) ⁵	32 to 752	0 to 400	0.30	0.16	0.05
200 ohms (low) ⁵	32 to 392	0 to 200	0.20	0.12	0.05
500 ohms	-300 to 900	-184 to 482	0.20	0.11	0.05

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	°F	°C	± °F	± °C	
Linear					
Milliamperes dc	4 to 20	—	0.10 %	—	0.004 %/°F
Millivolts dc	0 to 10 10 to 50	—	0.05 % 0.05 %	—	0.004 %/°F 0.004 %/°F
Volts dc	1 to 5 (can be calibrated 0 to 5) 0 to 10	—	0.05 % 0.10 %	—	0.004 %/°F 0.004 %/°F
Relative Humidity Platinum 100 ohm Wet/Dry Bulb*					
Wet/Dry Input	-130 to 392	-90 to 200	0.30	0.03	0.03
	Measured % RH	Dry Bulb Range		Reference Accuracy	Temp. Stability 53 °F to 104 °F/ 12 °C to 40 °C
% RH⁴	0 to <20 20 to 100	-103 to 212 35 to 40 >40 to 100 100 to 212	-75 to 100 2 to 4 >4 to 38 38 to 100	2 % RH 2 % RH 1 % RH 1 % RH	0.11 % RH/°F 0.11 %RH/°F 0.06 % RH/°F 0.03 % RH/°F

Condition	Specifications
Case	Molded, foamed-Noryl** with gasketed door. A UL and FM approved NEMA4X door is also available.
Chart	12-inch (304.8 mm) diameter chart. Plain thermal-sensitive paper.
Wiring Connections	Terminals inside the case.
Color	Case: Black Door (standard): Caribbean Blue, Black, or Gray
Approval Bodies	U.L. Approval depending on model. CSA Approval. Consult Model Selection Guide for information. FM approved for Class I, Div. 2, Groups A, B, C, D areas depending on model.
Weight	13.2 lbs (6 kg)
Mounting	Panel, 2-inch pipe, or surface mounted. Some adapter kits available for existing panel cutouts.
OPTIONS	
Alarm Output	Two, four, or six relays available. <i>Relay Contact Ratings:</i> <i>First Relays, Resistive Load: 1 A @ 120 Vac, 1/2 A @ 240 Vac</i> <i>Relays 3 through 6, Resistive Load: 5 A @ 120 Vac, 2.5 A @ 240 Vac</i>
Digital Input	+20 Vdc source for external dry contact or isolated solid state contacts. Selects one configured input.
Totalizers	One to four totalizers depending on model. Eight digit "totals" with multiplier on digital display; 14 digit totalization printout on chart.
RS485 Modbus RTU Communications	<i>Baud rate:</i> 300, 600, 1200, 2400, 4800, 9600, 19,200, 38,400 <i>Protocol:</i> RS485 Modbus RTU Communications <i>Length of Link:</i> 4000 ft (1,219 m) maximum <i>Link Characteristics:</i> Two-wire, multidrop