



**MARTEL** ELECTRONICS

# PTC-8001 Universal Temperature Calibrator



The Martel PTC-8001 Precision Temperature Calibrator is an ideal device to handle all of your temperature calibration needs in a truly rugged, low cost package. It combines virtually all widely used thermocouples and RTDs in one device — you'll never have to worry about finding a temperature device you can't calibrate. This is especially true when calibrating "smart" or pulsed RTD transmitters where many other calibrators fail to work or operate at reduced accuracy specs. The PTC-8001 handles those applications with ease.

### Key Features:

- Calibrate thermocouples and RTDs with one unit
- Works with Rosemount 3144 and all other smart transmitters
- Direct keyboard entry
- User defined setpoints

## Buy *Two* of Theirs or *One* of Ours

TC and RTD		TC Only			RTD Only	
	Martel PTC-8001	Altek 422 Transcat 5086T	Altek 322 Transcat 4669	Altek 222A Transcat 22754	Altek 311A Transcat 23760	Altek 211 Transcat 4363
No. of Thermocouple Ranges	10	14	4	1	0	0
No. of RTD Ranges	8	0	0	0	8	8
Ohm Ranges	5.0 to 400 400 to 1500 1500 to 3200	—	—	—	0.00 to 500 ±(.01% Rdg.+0.075Ω)	0.00 to 410.00 0.0 to 2010.00
mV Ranges	-10 to 75 mA	-99.999 to 99.999	-99.999 to 99.999	-99.999 to 99.999	—	—
Accuracy	TCType K RTD Pt 100 ±0.4 °C ±0.3 °C	±0.4 °C —	±0.4 °C —	±0.4 °C —	— ±0.2 to 0.4 °C	— ±0.3 °C
RTD IEX Range	0.01 mA to 3 mA	—	—	—	.09 to 10.2 mA	.09 to 5.8 mA
Works with Rosemount 3144 and all other Smart (pulsed) RTD Transmitter	Yes	No	No	No	Yes	Some
RS232 Interface	Yes	No	No	No	No	No
Direct Keyboard Entry	Yes	No	No	No	No	No
Number of User-defined Setpoints Per Range	9 for every TC & 9 for every RTD	3	3	3	3	3
Auto Step Function	Yes	No	No	No	No	No
Power Supply	4 AA Alkaline cells	9V Alkaline	9V Alkaline	9V Alkaline	6 AA Alkaline cells	6 AA Alkaline cells
Size	7.5 x 4 x 1.5	2.5 x 2.6 x 5.1	2.5 x 2.6 x 5.1	2.5 x 2.6 x 5.1	6.2 x 3.2 x 1.9	2.5 x 2.7 x 5.1
Weight	16 oz.	10.9 oz.	10.9 oz.	10.9 oz.	18 oz.	11.5 oz.
Price (US\$)	\$1,045.00	\$1,345.00	\$1,135.00	\$917.00	\$1,685.00	\$1,120.00



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