



Multi-Function Temperature Calibrator

3 in 1 functions



RTD

Thermocouple

mA Loop

The **Calog-Temp**, Multi-Function Temperature Calibrator is a high-precision, hand-held calibrator for the calibration and troubleshooting of process control instrumentation.

The **Calog-Temp** simultaneously measures milliamps whilst sourcing or simulating millivolts, TCs, RTDs or ohms to calibrate transmitters.

The **Calog-Temp** logging facility stores data on the SD card supplied, which is easily downloaded to a PC via the onboard USB port and usable in most of the common spreadsheet formats.

The trend feature is ideal for graphing temperature profiles and PID controller optimization with a programmable timebase. In addition, the **Calog-Temp** has the functionality necessary to install and maintain all powered and non-powered transducers using the built-in 24V loop power supply.

The **Calog-Temp** is the economical choice for people wanting to do industrial field or workshop calibration.

MEASURING			
	IMPEDANCE	ACCURACY	RESOLUTION
0 to 24mA	Input impedance $\pm 17\Omega$	0.02%FS	1 μ A
-10 to 100mV	Input impedance > 1M Ω	0.01%FS	1 μ V
Thermocouple types : J, K, T, E, N, U, L	Input impedance > 1M Ω	0.1%FS*	0.1 $^{\circ}$ C
B, R, S		1%FS*	0.1 $^{\circ}$ C
*(Using Thermocouple Extender and CJ Temp set to External)			
0 to 400.00 Ω		0.05%FS	0.01 Ω
0 to 2200.0 Ω		0.05%FS	0.1 Ω
RTD types : Pt50, Pt100, Pt200, Pt500 and Pt1000		0.1%FS	0.01 $^{\circ}$ C
Ni100 and Ni120			
Measurement of Ohms and RTD in 2,3 or 4-wire configuration			
Continuity with a 100 Ω trigger. Visual and audible confirmation			

SOURCING			
	MAX LOAD	ACCURACY	RESOLUTION
0 to 24mA	Output load max 500 Ω	0.02%FS	1 μ A
-10 to 100mV	Min. load 100 Ω	0.01%FS	1 μ V
Thermocouple types : J, K, T, E, N, U, L		0.1%FS*	0.1 $^{\circ}$ C
B, R, S		1%FS*	0.1 $^{\circ}$ C
*(Using Thermocouple Extender and CJ Temp set to External)			
1 to 400.00 Ω	10 - 400 Ω	0.05%FS	0.01 Ω
1 to 2200.0 Ω	10 - 2k2 Ω	0.05%FS	0.1 Ω
RTD types : Pt50, Pt100, Pt200, Pt500 and Pt1000		0.1%FS	0.01 $^{\circ}$ C
Ni100 and Ni120			

ISOLATION

The mV/TC/Ohms/RTD output from the **CALOG - TEMP** is isolated to a maximum rating of 100VDC from mA measure/source.

INCLUDED ACCESSORIES	RECOMMENDED ACCESSORIES
HW447 / 8 - Red / Black Safety Test Lead	RAL-CIG - 12Vdc Charger (Car Lighter)
BA042 - Li-ion Battery Pack	
HW418 + HW422 - Mains Charger	
HW033 - Rubber Boot	
HW180-A - Plastic Kit Case	



Distributed by

www.calogcalibrators.com

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