



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
<i>*(Using Thermocouple Extender and CJ Temp set to External)</i>			
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, Pt1000, Ni100 and Ni120		0.1%FS	0.01 $^{\circ}$ C
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
<i>*(Using Thermocouple Extender and CJ Temp set to External)</i>			
10 to 400 Ω		0.05%FS**	0.01 Ω
400 to 2000 Ω		0.05%FS**	0.1 Ω
RTD types : Pt50, Pt100, Pt200, Pt500, Pt1000 (up to 300 $^{\circ}$ C), Ni100 and Ni120		0.1%FS**	0.01 $^{\circ}$ C

**(@ 1mA excitation current, for different excitation currents please contact the manufacturer)

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	

WARRANTY

Each Calog Instruments product is warranted to be free from defects in material and workmanship under normal use and service, for two years. The warranty period starts on the day of shipment and extends only to the original buyer or end-user customer of a Calog Instruments authorized reseller. The warranty does not apply to any disposable batteries or fuses. The warranty does not apply to any product, which, in Calog Instruments' opinion, has been misused, neglected, altered or damaged by accident or by abnormal conditions of operation or handling. Calog Instruments warrants that the software will operate in accordance with its functional specifications for three months and, also that it has been properly recorded on non-defective media. Calog Instruments does not warrant that the software will be error free or operate without any interruption. Calog Instruments reserves the right to change or revise the specifications without prior notice. Refer to Calog Instruments' website for the latest specifications.



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