



**Multi-Function
Temperature
Calibrator**

**3 in 1
functions**

RTD

Thermocouple

mA Loop



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

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

Calog-Temp logging facility stores data on the SD card supplied, which is easily downloaded to a PC via the onboard USB port in CSV format. The trend feature is ideal for graphing temperature profiles and PID controller optimisation with a programmable timebase.

In addition **Calog-Temp** has the functionality necessary to install and maintain all powered and non-powered transducers using the built-in 24V loop power supply.

Calog-Temp is the economical choice for industrial field and 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

HW447 / 8 - Red / Black Safety Test Lead
BA042 - Li-ion Battery Pack
HW418 + HW422 - Mains Charger
HW033 - Rubber Boot
HW180-A - Plastic Kit Case

RECOMMENDED ACCESSORIES

RAL-CIG - 12Vdc Charger (Car Lighter)

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 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 reserves the right to alter the specifications in the interests of product improvement without prior notice.

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