![CALOG CALIBRATORS logo]

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 and sources ten types of thermocouples and seven resistance temperature detectors (RTD), whilst automatically capturing the calibration results. It 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 ±17Ω	0.02%FS	1µA
-10 to 100mV	Input impedance > 1MΩ	0.01%FS	1µV
Thermocouple types : J, K, T, E, N, U, L	Input impedance > 1MΩ	0.1%FS*	0.1°C
B, R, S		1%FS*	0.1°C
	(Using Thermocouple Extender and CJ Temp set to External)		
0 to 400.00Ω		0.05%FS	0.01Ω
0 to 2200.0Ω		0.05%FS	0.1Ω
RTD types : Pt50, Pt100, Pt200, Pt500 and Pt1000		0.1%FS	0.01°C
Ni100 and Ni120			
Measurement of Ohms and RTD in 2,3 or 4-wire configuration			
Continuity with a 100Ω trigger. Visual and audible confirmation			

SOURCING

	MAX LOAD	ACCURACY	RESOLUTION
0 to 24mA	Output load max 500Ω	0.02%FS	1µA
-10 to 100mV	Min. load 100Ω	0.01%FS	1µV
Thermocouple types : J, K, T, E, N, U, L		0.1%FS*	0.1°C
B, R, S		1%FS*	0.1°C
	(Using Thermocouple Extender and CJ Temp set to External)		
1 to 400.00Ω	10 - 400Ω	0.05%FS	0.01Ω
1 to 2200.0Ω	10 - 2k2Ω	0.05%FS	0.1Ω
RTD types : Pt50, Pt100, Pt200, Pt500 and Pt1000 Ni100 and Ni120		0.1%FS	0.01°C

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	

CALOG
INSTRUMENTS

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