

Thermocouple Calibrator

CL130
Starts at
\$895



- ✓ Measure and Source Thermocouples
- ✓ Large, Easy-to-Read Display with Backlight
- ✓ Thermocouple Simulation (Manual or Auto)
- ✓ 3 Programmable Step and Ramp Routines
- ✓ Auto Step Simulation (0 to 100% or 25% Increments) with Definable LRV & URV

The CL130 thermocouple calibrator has been designed using the latest technology to provide reliable accuracy throughout its entire operating temperature range. The compact design makes the unit easy to carry and the intuitive user interface makes it easy to use. Temperature measurements/simulations are displayed on a large, easy-to-read liquid crystal display (LCD). This unit has two backlights: a green backlight which is user activated to improve readability in low light conditions, and an automatic red backlight which indicates an over-range condition. Twelve keys provide access to the functional modes and menus, including measure, simulate, setup, run, record, edit, and backlight activation.

Specifications

mV Range, Accuracy: -15 to 80 mV, 0.005% Rdg ±6 mV
mV Temp. Effect: ±2 µV/°C (Ref. Temp = 23°C)
Cold Junction Effect: ±0.05°C/°C
Cold Junction Accuracy: ±0.1°C at 25°C

Thermocouple Range-Read and Source

Type	Range				Accuracy	
	°C		°F		°C	°F
K	-200	1372	-328	2501	0.4	0.7
J	-200	-165	-328	-265	0.3	0.5
	-165	1200	-265	2192	0.2	0.4
T	-200	-168	-328	-270	0.4	0.7
	-168	-86	-270	-123	0.3	0.5
	-86	346	-123	655	0.2	0.4
E	-200	-179	-328	-290	0.3	0.5
	-179	15	-290	59	0.2	0.4
N	15	1000	59	1832	0.1	0.2
	-200	110	-328	230	0.3	0.5
R	110	1300	230	2372	0.2	0.4
	-50	27	-58	81	2.0	3.6
	27	736	81	1357	1.0	1.8
S	736	1768	1357	3214	0.5	0.9
	-50	27	-58	81	2.0	3.6
	27	1179	81	2154	1.0	1.8
B	1179	1768	2154	3214	0.5	0.9
	250	295	482	563	3.0	5.4
	295	605	563	1121	2.0	3.6
	605	1301	1121	2374	1.0	1.8
	1301	1820	2374	3308	0.5	0.9



CL130, \$895, shown smaller than actual size.

SPHT-K-12 thermocouple probe, \$50, sold separately.

Resolution:

Thermocouple Types E, J, K, N, T: 0.1°C
 Thermocouple Types B, R, S: 1°C
 mV: 0.001 mV (1 µV)

Environmental:

Storage: -40 to 85°C (-40 to 185°F)
Operating: -10 to 50°C (14 to 122°F)
Humidity: 10 to 90% RH
Maximum Input Voltage: 30 Vdc

Power Requirement

Batteries: 3 "AA" batteries (included), field replaceable

Dimensions:

Enclosure: 165 H x 81 W x 28 mm D (6.5 x 3.2 x 1.1")
Polycarbonate, Permanently Static Dissipative, ESD Protection Enclosure with Boot:
 173 H x 89 W x 33 mm D (6.8 x 3.5 x 1.3")

AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)		
Model No.	Price	Description
CL130	\$895	Thermocouple calibrator
CL130-NIST	973	Thermocouple calibrator with NIST traceable certificate of calibration†

Accessories

Model No.	Price	Description
CL130-CASE	\$84	Carrying case
CL-300-CABLE-(*)-2	10	0.6 m (2') thermocouple cable, SMP male to spade lugs
CL-300-CABLE-(*)-10	20	3 m (10') thermocouple cable, SMP male to spade lugs

Comes complete with operator's manual, shock resistant holster, 3 "AA" alkaline batteries.

* For **CL-300-CABLE**, insert one thermocouple type: J, K, T, E, R, S, B or N

CL130-NIST, thermocouple/mV calibrator with NIST certificate, **\$973.**

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