

Thermocouple Furnace



- Low-cost thermocouple furnace
- NIST-traceable calibration included
- RS-232 port standard

You told us you weren't satisfied with the competition's furnaces for checking industrial thermocouples. You said you wanted something new and more convenient to use—and you wanted it at a lower price than any other furnace available. Well, we've got what you asked for, and it's the Model 9150 Thermocouple Furnace from Hart Scientific.

With a stability of $\pm 0.5^\circ\text{C}$, it has a temperature range to 1200°C and a display accuracy of $\pm 5^\circ\text{C}$ across its entire range.

With interchangeable temperature blocks, you can check thermocouples as small as $1/16$ of an inch in diameter. The 9150 works with 115 or 230 VAC power.

The 9150 Thermocouple Furnace uses Hart's own microprocessor-based controller for great stability and set-point accuracy. It has a removable well insert for versatility. It has rapid cool-down and heat-up times. And it comes with an RS-232 port for connection to a PC.

You can now afford to check your thermocouples with this excellent cost-effective instrument. Why pay more for features you don't need and can't use? Each unit is factory-calibrated and comes with test data and a calibration traceable to NIST.

Specifications

Temperature Range	150 °C to 1200 °C (302 °F to 2192 °F)
Display Resolution	0.1 ° to 999.9 ° 1 ° above 1000 °
Stability	$\pm 0.5^\circ\text{C}$
Display Accuracy	$\pm 5^\circ\text{C}$
Well Diameter	1.25" (32 mm)
Well Depth	140 mm (5.5 in); (101 mm [4 in] removable insert plus 38 mm [1.5 in] insulator)
Heating Time	35 minutes to 1200 °C
Cooling Time	140 minutes with block
Well-to-Well Uniformity	$\pm 0.5^\circ\text{C}$ to $\pm 1.0^\circ\text{C}$ (Insert "C" at 1200 °C)
Stabilization	20 minutes
Power	115 VAC ($\pm 10\%$), 10.5 A or 230 VAC ($\pm 10\%$), 5.2 A, switchable, 50/60 Hz, 1200 W
Size (HxWxD)	315 x 208 x 315 mm (12.4 x 8.2 x 12.4 in)
Weight	13 kg (28 lb.)
NIST-Traceable Calibration	Data at 150 °C, 300 °C, 450 °C, 600 °C, 800 °C, 1000 °C, and 1200 °C

Ordering Information

9150-X	Thermocouple Furnace (specify X, X = A, B, C, or D included insert)
3150-2	Insert A
3150-3	Insert B
3150-4	Insert C
3150-6	Insert D
9315	Rugged Carrying Case

