

Industrial Dual-Block Calibrator



Features

- Temperatures from -15°C to 350°C in one unit
- Two wells in each block for simultaneous comparison calibrations
- Rugged, lightweight, water-resistant enclosure

The Hart Scientific Model 9009 Industrial Dual-Block Calibrator lets you calibrate at hot and cold temperatures at the same time. Double your productivity or cut your calibration time in half—either way you look at it, your in-field temperature calibrations just got easier.

The Model 9009 includes two independently controlled temperature blocks. The hot block provides temperatures from 50°C to 350°C , while the cold block covers the range -15°C to 110°C . Each block is controlled by a precision Hart Scientific temperature controller.

Each temperature block includes two wells with removable inserts. You can calibrate four probes at once, or you can calibrate two probes at the same time with an external reference, or you can use the two temperature wells to get quick “zero” and “span” references for transmitter calibrations.

Need portability and durability? The Hart Scientific 9009 is housed in a tough Pelican™ case that is both airtight and watertight. It's a small package weighing only 10 pounds, yet it fits everything you need, including a power cord and four extra inserts. Inserts are available to accommodate sensors of any size from $1/16"$ (1.6 mm) to $7/16"$ (11.1 mm). This rugged system can go anywhere.

Of course the Hart Scientific 9009 also delivers the performance you expect from a Hart Scientific temperature source. The cold block is calibrated to within $\pm 0.2^{\circ}\text{C}$ with stability of $\pm 0.05^{\circ}\text{C}$. The hot block's display is accurate to $\pm 0.6^{\circ}\text{C}$ with stability of $\pm 0.05^{\circ}\text{C}$. A NIST-traceable calibration is included for each of the two test blocks.

For use with automated systems, the 9009 comes with an RS-232 connection and our Model 9930 Interface-it software, which allows you to control and monitor temperatures from your PC.

Two blocks in one unit, a total range of -15°C to 350°C , portability, durability, versatility, performance, automation. The Hart Scientific 9009 Industrial Dual-Block Calibrator delivers it all.

Ordering Information	
9009-X	Industrial Dual-Block Dry-Well (X = case color. Specify "B" for black or "Y" for yellow.) Includes two 1/4 in (6.4 mm) and two 3/16 in (4.8 mm) inserts.
3102-0	Insert, Blank
3102-1	Insert, 1/16 in (1.6 mm)
3102-2	Insert, 1/8 in (3.2 mm)
3102-3	Insert, 3/16 in (4.8 mm)
3102-4	Insert, 1/4 in (6.4 mm)
3102-5	Insert, 5/16 in (7.9 mm)
3102-6	Insert, 3/8 in (9.5 mm)
3102-7	Insert, 7/16 in (11.1 mm)
3102-8	Insert, 5/32 in (4 mm)

Specifications	Hot Block	Cold Block
Range	50 °C to 350 °C (122 °F to 662 °F)	-15°C to 110°C (5 °F to 230 °F) (-8°C [18 °F] with hot block at 350°C [662 °F])
Accuracy	$\pm 0.6^{\circ}\text{C}$	$\pm 0.2^{\circ}\text{C}$
Stability	$\pm 0.05^{\circ}\text{C}$	
Well-to-Well Uniformity	$\pm 0.1^{\circ}\text{C}$	
Display Resolution	0.1 °	
Heating Times	10 minutes from 25 °C to 350 °C	15 minutes from 25 °C to 110 °C
Cooling Times	30 minutes from 350 °C to 100 °C	16 minutes from 25 °C to -15°C
Stabilization Times	8 minutes	
Well Depth	4" (102 mm)	
Removable Inserts	Two 6.4 mm (1/4 in) and two 4.8 mm (3/16 in) inserts included; see Ordering Information for other available inserts	
Computer Interface	RS-232 included with free Interface-it software	
Power	115 VAC ($\pm 10\%$), 3 A, or 230 VAC ($\pm 10\%$), 2 A, specify, 50/60 Hz, 280 W	
Size (HxWxD)	178 x 267 x 248 mm (7 x 10.5 x 9.75 in)	
Weight	4.5 kg (10 lb.)	
NIST-Traceable Calibration	Data at 50 °C, 100 °C, 150 °C, 200 °C, 250 °C, 300 °C, and 350 °C	Data at -8°C , 0 °C, 25 °C, 50 °C, 75 °C, 100 °C, and 110 °C

