


TECHNICAL DATA

9141 Dry-Well Calibrator



Specifications: 9141 Dry-Well Calibrator

Specifications	
Range	50 °C to 650 °C (122 °F to 1202 °F)
Accuracy	± 0.5 °C to 400 °C; ± 1.0 °C to 650 °C (holes greater than 6.35 mm: ± 2 °C)

Stability	$\pm 0.05\text{ }^{\circ}\text{C}$ at $100\text{ }^{\circ}\text{C}$ $\pm 0.12\text{ }^{\circ}\text{C}$ at $500\text{ }^{\circ}\text{C}$ $\pm 0.12\text{ }^{\circ}\text{C}$ at $650\text{ }^{\circ}\text{C}$
Well-to-Well Uniformity	$\pm 0.1\text{ }^{\circ}\text{C}$ below $400\text{ }^{\circ}\text{C}$, $\pm 0.5\text{ }^{\circ}\text{C}$ above $400\text{ }^{\circ}\text{C}$ with similarly sized wells
Heating Times	12 minutes from ambient to $650\text{ }^{\circ}\text{C}$
Cooling Times	25 minutes from $650\text{ }^{\circ}\text{C}$ to $100\text{ }^{\circ}\text{C}$
Stabilization Time	7 minutes
Immersion Depth	124 mm (4.875")
Inserts	 <ul style="list-style-type: none"> • Insert A handles a full range of probe sizes with a single well of each size. • Insert B features two wells each of 3/8, 1/4, and 3/16 inches in diameter for doing comparison calibrations. • Insert C has six 1/4-inch-diameter wells for multiple probe calibrations. • Insert D has three pairs of metric sized wells.
Outside Insert Dimensions	28.5 mm dia. x 124 mm (1.12 x 4.88 in)
Computer Interface	RS-232 included with free Interface- <i>it</i> software (Model 9930)
Power	115 V ac ($\pm 10\%$), 8.8 A or 230 V ac ($\pm 10\%$), 4.4 A, switchable, 50/60 Hz, 1000 W
Size (WxHxD)	109 x 236 x 185 mm (4.3 x 9.3 x 7.3 in)
Weight	3.6 kg (8 lb)
NIST-Traceable Certificate	Data at $100\text{ }^{\circ}\text{C}$, $200\text{ }^{\circ}\text{C}$, $300\text{ }^{\circ}\text{C}$, $400\text{ }^{\circ}\text{C}$, $500\text{ }^{\circ}\text{C}$, and $600\text{ }^{\circ}\text{C}$

Ordering information



9141-X

Dry-Well (specify X, X = A, B, C, or D included insert). The 9141 is now obsolete.

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