



The Dry Block Calibrators perform functions that would require three different types of instruments

A dry block, standard thermometer and signal calibrator measuring signals generated by RTDs, thermocouples, thermos switches and mA generating sources. Besides these functions, it has H.A.R.T Communication Datalogging mode, Ethernet and USB interface

Description	HTC-1200	HTC-650	HTC-350	Range	Resolution	Accuracy	Remark
Operating Range: (Ambient 23 °C)	100°C to 1200°C	Environment Temperature to 650°C	Environment Temperature to 350°C	Millivolt ±150 mV	0.001 mV	±0.01%F.S	R input > 10 Mohms
Accuracy	± 2.2 °C	± (0.1 °C + 0.1% RDG)	± (0.1 °C + 0.1% RDG)	150 to 2450 mV	0.01 mV	±0.02%F.S	
Resolution	0.1 °C	0.01 °C	0.01 °C	Milliamp: -5 to 25 mA	0.0001 Ma	±0.02%F.S	Load < 250 ohms
Stability	± 0.1 °C	± 0.05 °C	± 0.05 °C	Resistance: 0 to 400Ω	0.01Ω	±0.01%F.S	
Heating Time	45 mins (100°C to 1200°C)	15 mins (50°C to 650°C)	10 mins (50°C to 350°C)	400 to 2500Ω	0.01Ω	±0.03%F.S	Excitation current 1 mA
Cooling Time	5 hrs (1200 °C to 200°C)	22 mins (650°C to 200°C)	12 mins (350°C to 100°C)	Pt100: -200 to 850°C/ -328 to 1562°F	0.01°C/0.01°F	0.1°C/0.2°F	IEC-60751
Temperature Uniformity	±0.2°C	±0.05°C	±0.05°C	Pt1000: -200 to 400°C/ -328 to 752°F	0.1°C/0.1°F	0.1°C/0.2°F	IEC-60751
Weight	9.0 kg	8.5 kg	7.5 kg	Cu10: -200 to 260°C/ -328 to 500°F	0.1°C/0.1°F	2.0°C/4.0°F	IMINCO 16-9
Power Supply	230vac @ 50/60Hz (110vac optional)	230vac @ 50/60Hz (110vac optional)	230vac @ 50/60Hz (110vac optional)	Ni-100: -60 to 250°C/ -76 to 482°F	0.1°C/0.1°F	0.2°C/0.4°F	IEC-60584
Electric Power	2300 Watt	1000 Watt	500 Watt	TC-J: -210 to 1200°C/ -346 to 2192°F	0.1°C/0.1°F	0.2°C/0.4°F	IEC-60584
Unit/Temperature scales	°C or °F/Optional	°C or °F/Optional	°C or °F/Optional	TC-K: -150 to 1370°C/ -238 to 2498°F	0.1°C/0.1°F	0.2°C/0.4°F	IEC-60584
Display	5.7" Color touch screen	5.7" Color touch screen	5.7" Color touch screen	TC-T: -75 to 400°C/ -103 to 752°F	0.1°C/0.1°F	0.2°C/0.4°F	IEC-60584
Well diameter X Depth	Ø34mm x 150mm (Incl 20mm ceramic insulator)	Ø35mm x 150mm	Ø35mm x 150mm	TC-E: -150 to 1000°C/ -238 to 1832°F	0.1°C/0.1°F	0.1°C/0.2°F	IEC-60584
Dimension	315 x 200 x 305 mm	315 x 200 x 305 mm	315 x 200 x 305 mm	TC-R /S/N/B/L			

Scope of delivery:

- Factory Calibration Certificate
- x1 standard multi-hole insert - 1/4", 3mm, 4mm and 8mm (other sizes upon request)
- Carrying case, strap, insert extractor tool, test leads, operating manual, power cord