

Industrial Temperature Calibrators Workload Matrix

FLUKE®

Calibration

	Good Accuracy									Better Accuracy				Best Accuracy				IR Calibrators				
				Field Dry-wells						Field Metrology Wells				Portable Baths		Metrology Wells						
	6102	7102	7103	9100S	9102S	9009	9103	9140	9150	9142	9143	9144	9190A	6109A	7109A	9170	9171	9172	9173	4180	4181	9132
Workload																						
RTDs and Thermocouples																						
RTD/TC Accuracy > 2°C (35.6 °F)																						
RTD/TC Accuracy > 1°C (33.8 °F)																						
RTD DIN Class B																						
RTD DIN Class A																						
Dial Thermometers																						
Thermistors																						
Temperature Transmitters																						
Temperature Switches																						
Infrared Thermometers																						
Sanitary Tri-clamp sensors																						
Liquid and glass thermometers																						
Temperature range																						
1200 °C (2192 °F)																						
700 °C (1292 °F)																						
660 °C (1220 °F)																						
650 °C (1202 °F)																						
500 °C (932 °F)																						
425 °C (797 °F)																						
375 °C (707 °F)																						
350 °C (662 °F)																						
250 °C (482 °F)																						
200 °C (392 °F)																						
155 °C (311 °F)																						
150 °C (302 °F)																						
140 °C (284 °F)																						
125 °C (257 °F)																						
122 °C (251.6 F)																						
120 °C (248 °F)																						
50 °C (122 °F)																						
35 °C (95 °F)																						
33 °C (91.4 °F)																						
-5 °C (23 °F)																						
-10 °C (14 °F)																						
-15 °C (5 °F)																						
-25 °C (-13 °F)																						
-30 °C (-22 °F)																						
-45 °C (-49 °F)																						
-95 °C (-139 °F)																						

• may require reference thermometer