

Overview temperature calibrators

Temperature Range	Function / Accuracy					Features			Block dimensions [mm]							Model	
	Dry block	Dry block (Air Shield Insert)	Micro calibration bath	Infrared	Surface	Integrated measuring instrument	External reference sensor	PC In-terface	Ø Diameter				Depth				
									18	28	60	7 x 6.5	100	150	170		200
-55 °C -67 °F ... 200 °C 392 °F	±0.4 °C ±0.72 °F									✓				✓			TP 17200
	±0.2 °C ±0.36 °F						✓		✓	✓				✓			TP 17200S
	±0.2 °C ±0.36 °F					✓	✓	✓	✓					✓			TP 37200E.2
-35 °C -31 °F ... 165 °C 329 °F	±1 °C ±1.8 °F									✓				✓			TP 17165M
	±0.4 °C ±0.72 °F									✓				✓			TP 17165
	±0.2 °C ±0.36 °F							✓		✓				✓			TP 17165S
	±0.2 °C ±0.36 °F					✓	✓	✓	✓					✓			TP 37165E.2
	±0.4 °C ±0.72 °F										✓			✓			TP 17166
	±0.2 °C ±0.36 °F							✓			✓			✓			TP 17166S
								✓			✓					✓	
±0.3 °C ±0.54 °F	±0.099 °C ±0.1782 °F	±0.1 °C ±0.18 °F	±0.5 °C ±0.9 °F	±1 °C ±1.8 °F	✓	✓	✓		✓						✓		TP 3M165E.2
-10 °C 14 °F ... 100 °C 212 °F	±0.05 °C ±0.09 °F						✓				✓			✓			TP 17Zero
RT* ... 200 °C 392 °F	±1 °C ±1.8 °F								✓					✓			TP 18200E
RT* ... 255 °C 491 °F			±0.2 °C ±0.36 °F				✓				✓					✓	TP M255S
	±0.3 °C ±0.54 °F		±0.2 °C ±0.36 °F	±0.5 °C ±0.9 °F	±1 °C ±1.8 °F	✓	✓	✓		✓					✓		TP 3M255E.2
RT* ... 450 °C 842 °F	±0.6 °C ±1.08 °F										✓			✓			TP 17450
	±0.3 °C ±0.54 °F							✓		✓				✓			TP 17450S
	±0.3 °C ±0.54 °F	±0.2 °C ±0.36 °F		±0.5 °C ±0.9 °F	±1 °C ±1.8 °F	✓	✓	✓		✓				✓			TP 37450.E2
RT* ... 650 °C 1202 °F	±1 °C ±1.8 °F									✓				✓			TP 17650M
	±0.8 °C ±1.4 °F									✓				✓			TP 17650
	±0.4 °C ±0.72 °F							✓		✓				✓			TP 17650S
RT* ... 850 °C 1562 °F	±1 °C ±1.8 °F								✓					✓			TP 18850E
400 °C 752 °F ... 1300 °C 2372 °F	±2 °C ±3.6 °F							✓		✓						✓	TP 281300E

*Room temperature
Subject to technical modifications and errors