

Parameter/Equipment	Range	CMC <sup>2,9</sup> (±)	Comments
Indirect Verification of Microindentation Hardness Testers <sup>3</sup> (Knoop and Vickers)	Vickers: < 240 HV (240 to 600) HV > 600 HV  Knoop: < 250 HK (250 to 650) HK > 650 HK	4.3 HV 10 HV 13 HV  5.2 HK 12 HK 15 HK	ASTM E384 and E92
Pressure <sup>3</sup> –  Absolute & Barometric Pressure  Differential & Gage Pressure	(0 to 35) in·Hg  (0 to 30) in·H <sub>2</sub> O (0 to 5) psi (5 to 15) psi (10 to 500) psi (200 to 10 000) psi	0.0034 in·Hg  0.0029 in·H <sub>2</sub> O 0.000 47 psi 0.0015 psi 0.002 psi + 0.018 % rdg 0.034 psi + 0.018 % rdg	Mensor CPG system    Deadweight tester
Vacuum <sup>3</sup> – Measure and Measuring Equipment	(0 to 28.5) in·Hg	0.0033 in·Hg	Mensor CPG system

## V. Thermodynamics

Parameter/Equipment	Range	CMC <sup>2</sup> (±)	Comments
Thermometers <sup>3</sup>	(-112 °F to 32) °F (32 °F to 212) °F (212 °F to 392) °F (392 to 752) °F	0.048 °F 0.041 °F 0.047 °F 0.098 °F	PRT, Fluke 1502A