

Table 2G-8. Probe Calibration for Method 2G

Wind Tunnel Facility: _____

Wind Tunnel Location: _____

Probe Type: _____

Probe ID: _____

Probe Calibration Date: _____

Test Point Location: _____

Ambient Temperature (°F): _____

Barometric Pressure (P_{bar}): _____

Repetition	Low Velocity Setting (ft/sec)	Calibration Pitot		Tested Probe		Calculated C _p or F ₂
		ΔP _{std} (in. H ₂ O)	Temp. (°F)	ΔP or P ₁ -P ₂ (in. H ₂ O)	Yaw Angle (°)	
1						
2						
3						
Average (C _{p(avg-low)}) =						

Repetition	High Velocity Setting (ft/sec)	Calibration Pitot		Tested Probe		Calculated C _p or F ₂
		ΔP _{std} (in. H ₂ O)	Temp. (°F)	ΔP or P ₁ -P ₂ (in. H ₂ O)	Yaw Angle (°)	
1						
2						
3						
Average (C _{p(avg-high)}) =						

$$\% \text{ Difference} = \frac{C_{p(avg-low)} - C_{p(avg-high)}}{C_{p(avg-low)}} \times 100\% = \underline{\hspace{2cm}} \%$$

Note: (1) The percent difference between the low and high velocity setting C_p values shall be within ±3 percent.
 (2) If calibrating a 3-D probe for this method, the pitch angle setting must be 0°.