

Performance Test

Model 5832 In-tool Ionizing Blower

Product	Model 5832 In-tool Ionizer
Performance Test	Per Simco-Ion Internal Test Method
Test Conditions	
Test Equipment	Simco-Ion Charge Plate Monitor Model 280A (S/N S/N TK-16245R-2)
Test Environment	22°C, 19% RH
Test Unit Fan Speeds	4 Fan Speeds - Low, Med-Low, Med-High, High
Distance from Test Unit to CPM	6", 12", 18", 24"

The Simco-Ion Model 5832 In-tool Ionizing Blower was tested at all four fan speed settings using an internal Simco-Ion test procedure designed for smaller blowers that are frequently used for in-tool applications. The test procedure is identical to ANSI/ESD STM3.1; however, the test points are 6" centers instead of 12" to better show coverage of in-tool blowers. Figures 1-4 show the measured Discharge Times, and Figures 5-8 show the measured Offset Voltage Data below.

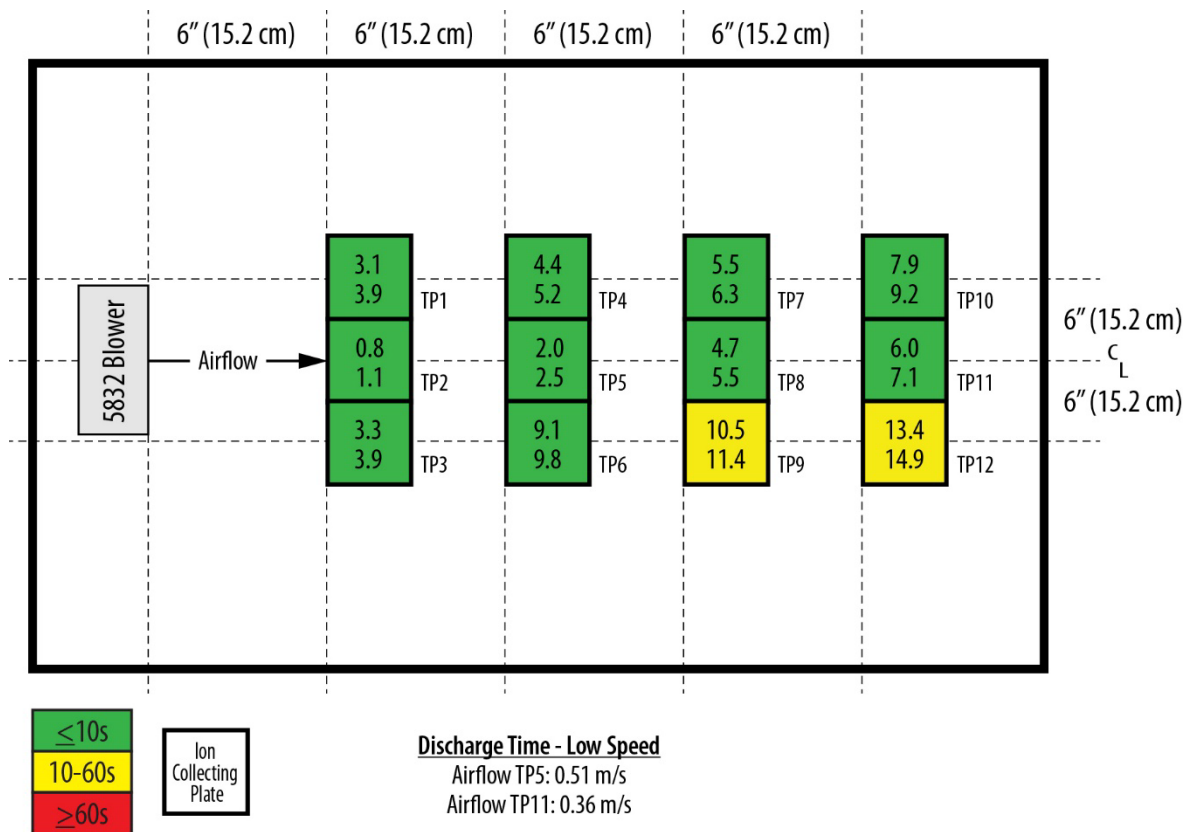


Figure 1. Discharge Time Data ($\pm 1000V$ to $\pm 100V$) – Low Speed

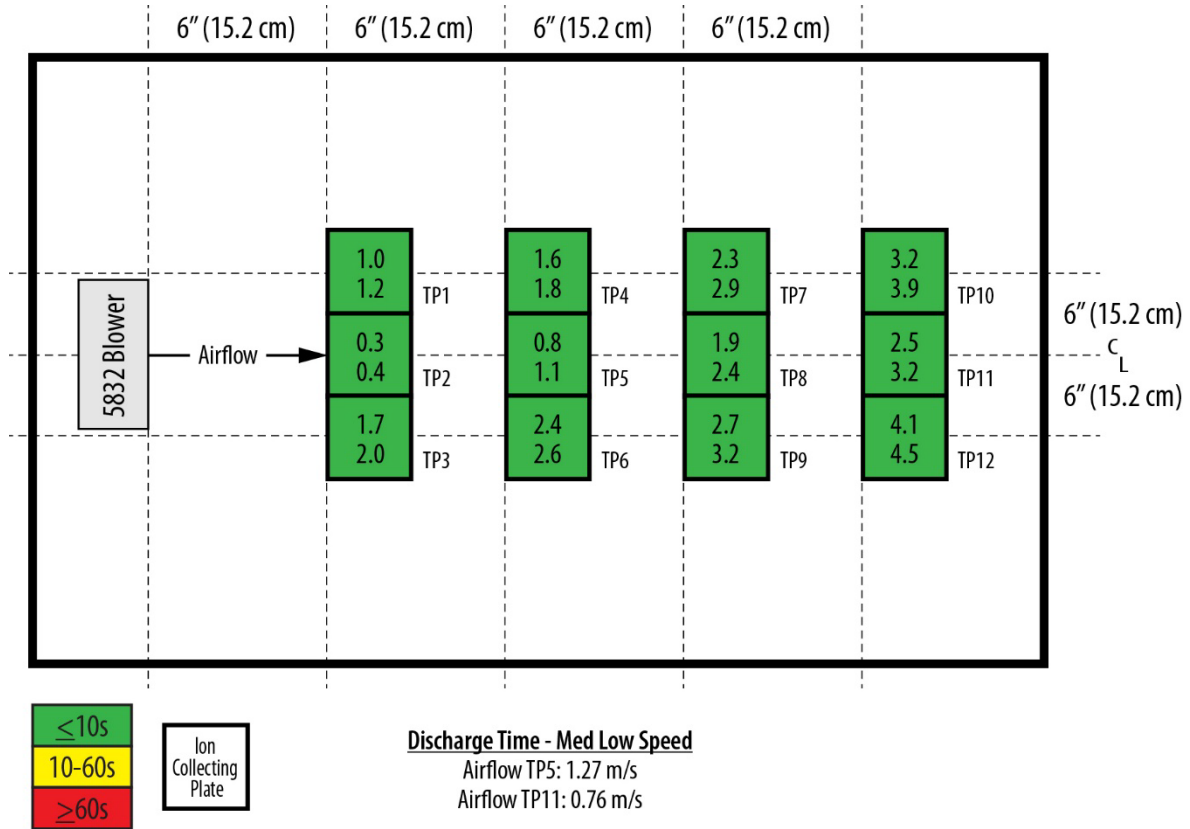


Figure 2. Discharge Time Data (±1000V to ±100V) – Medium-Low Speed

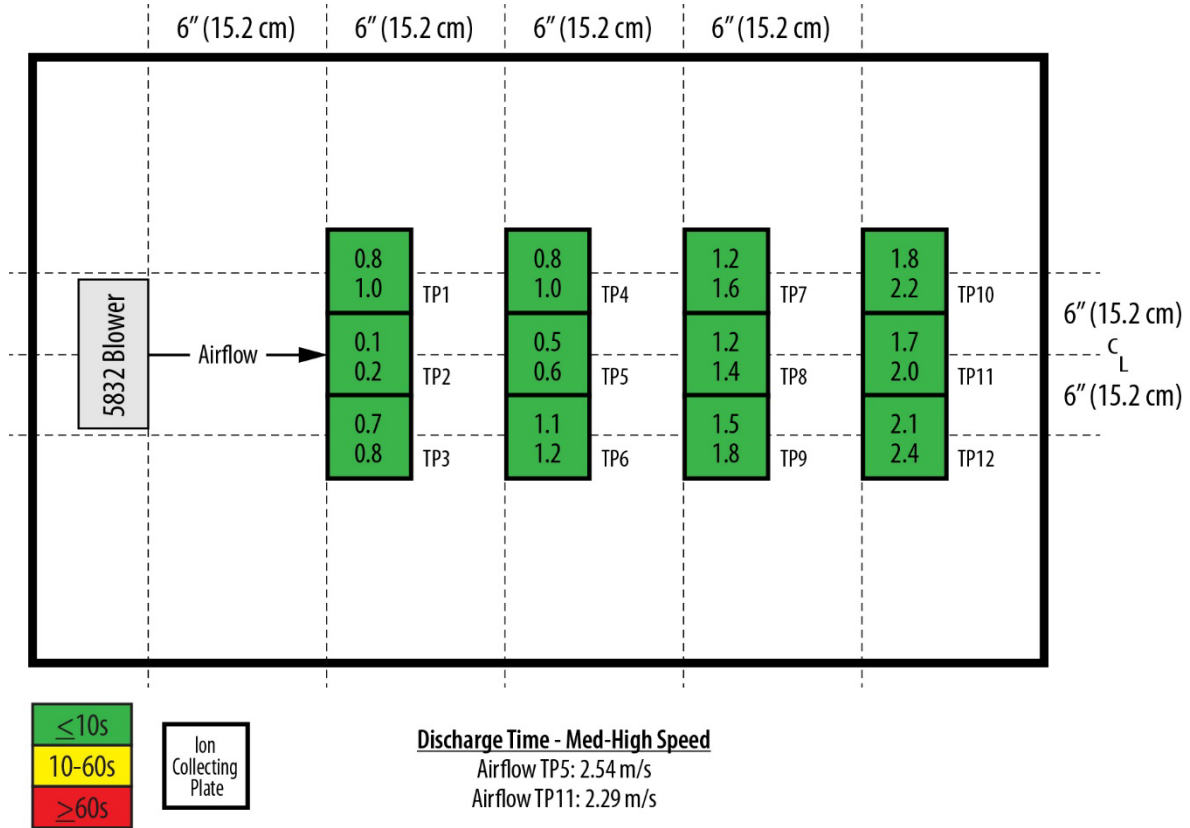


Figure 3. Discharge Time Data (±1000V to ±100V) – Medium-High Speed

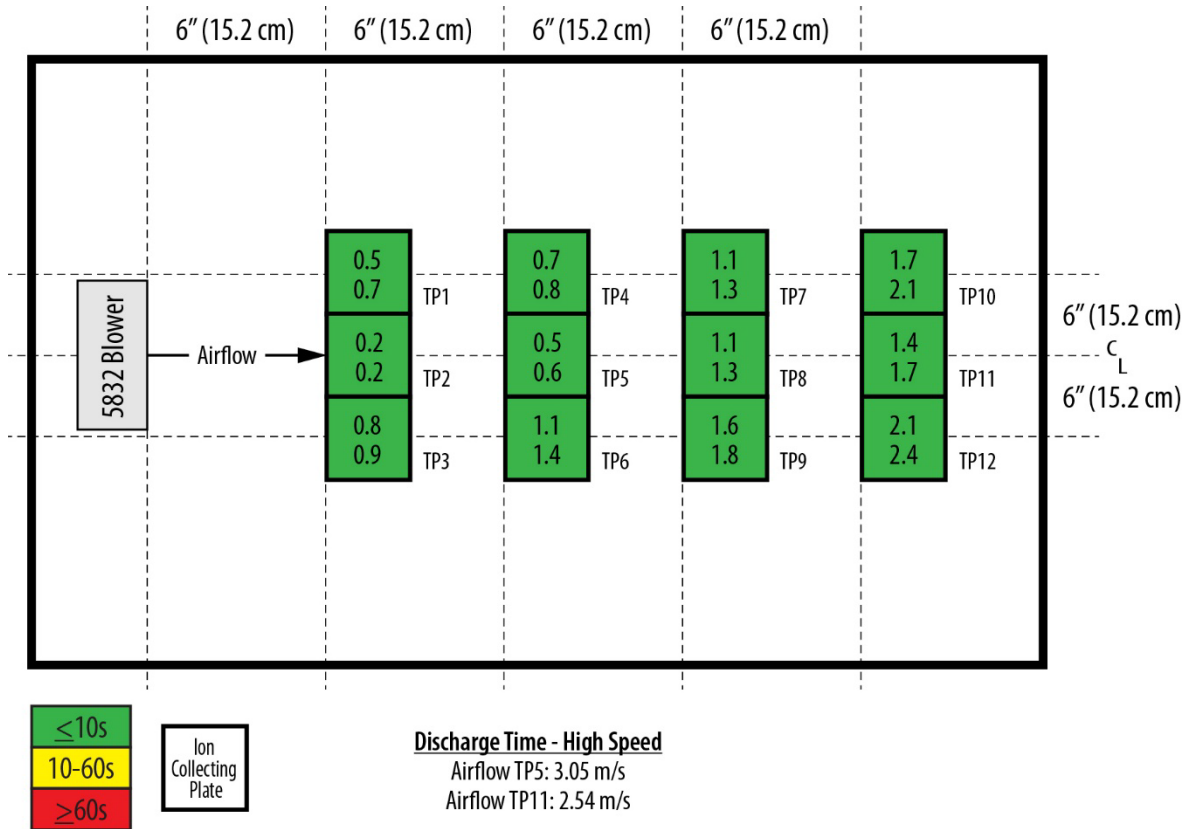


Figure 4. Discharge Time Data (±1000V to ±100V) – High Speed

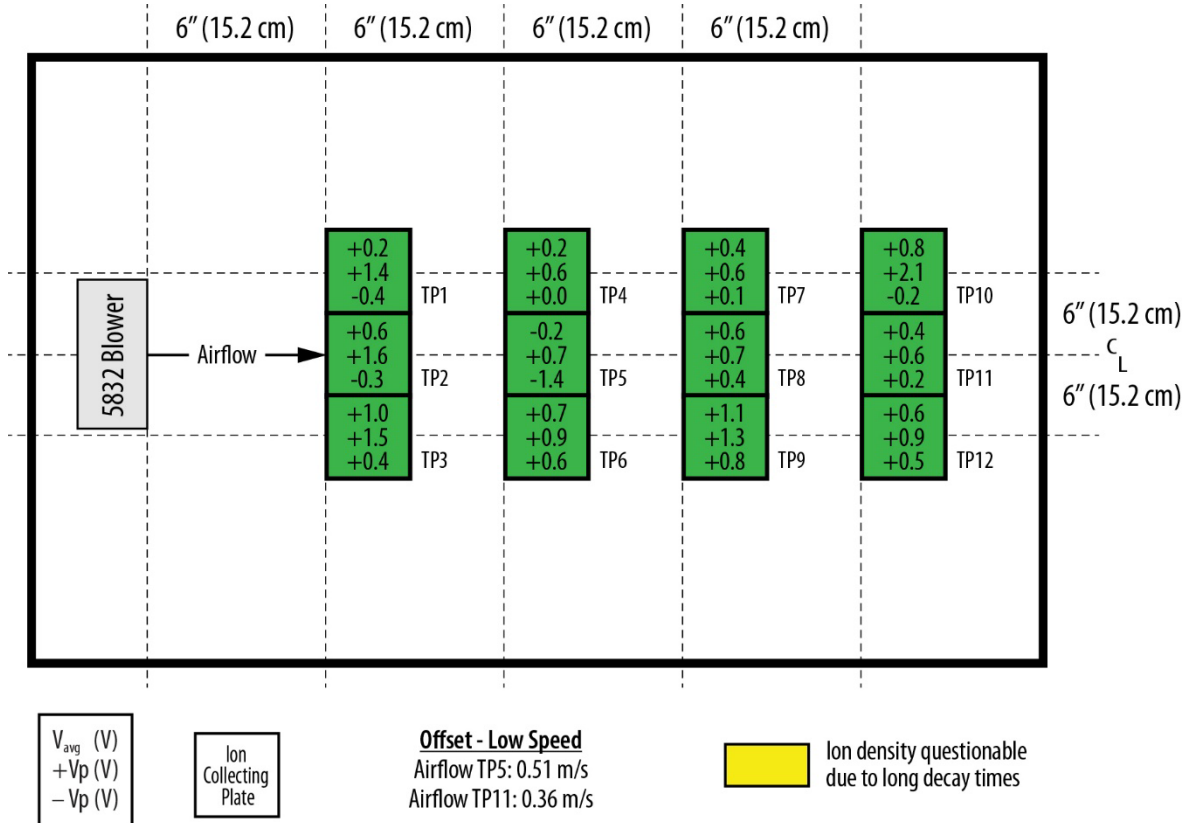


Figure 5. Offset Voltage Data – Low Speed

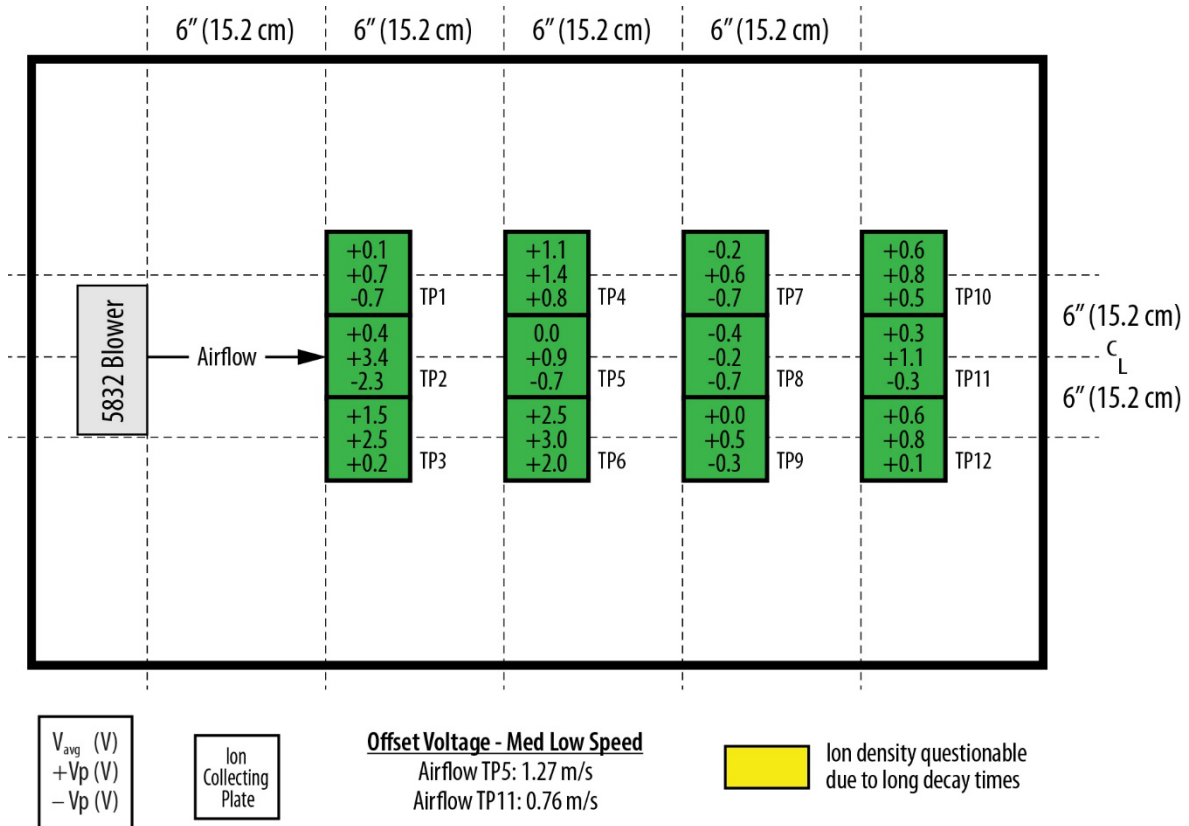


Figure 6. Offset Voltage Data – Medium-Low Speed

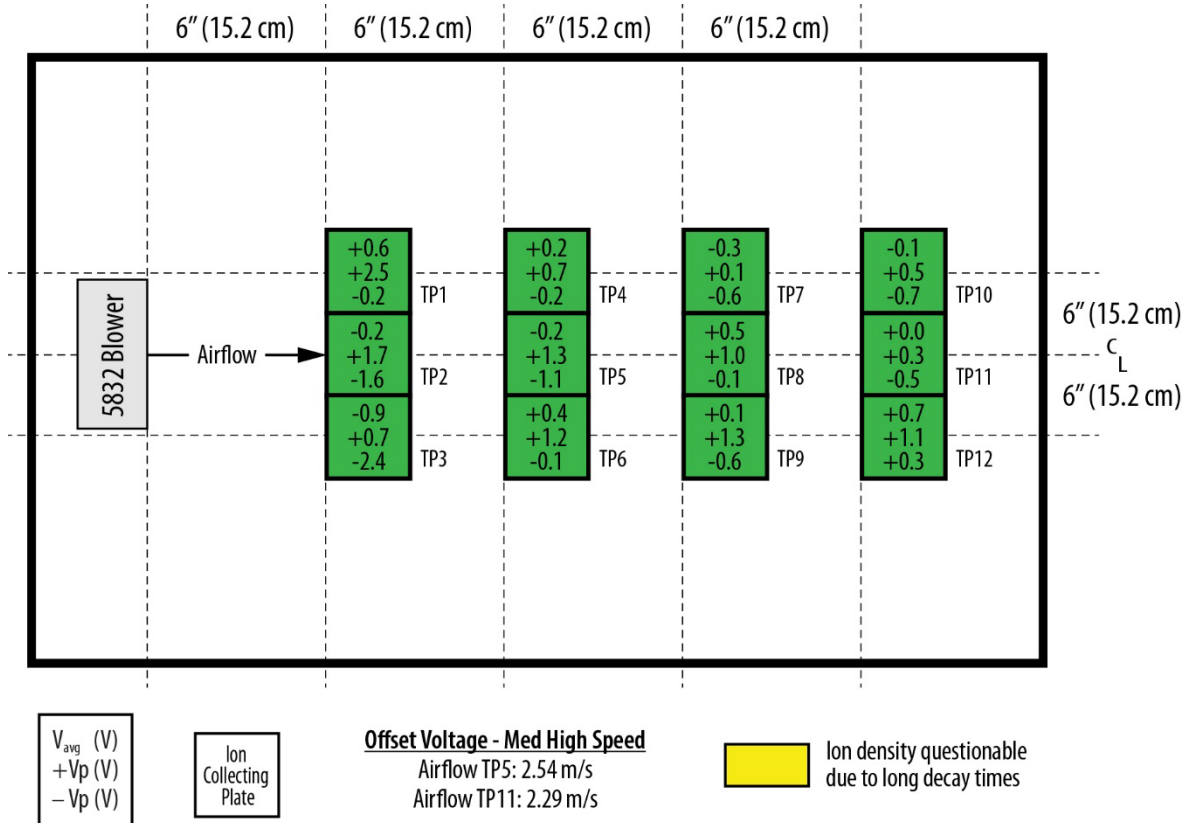


Figure 7. Offset Voltage Data – Medium-High Speed

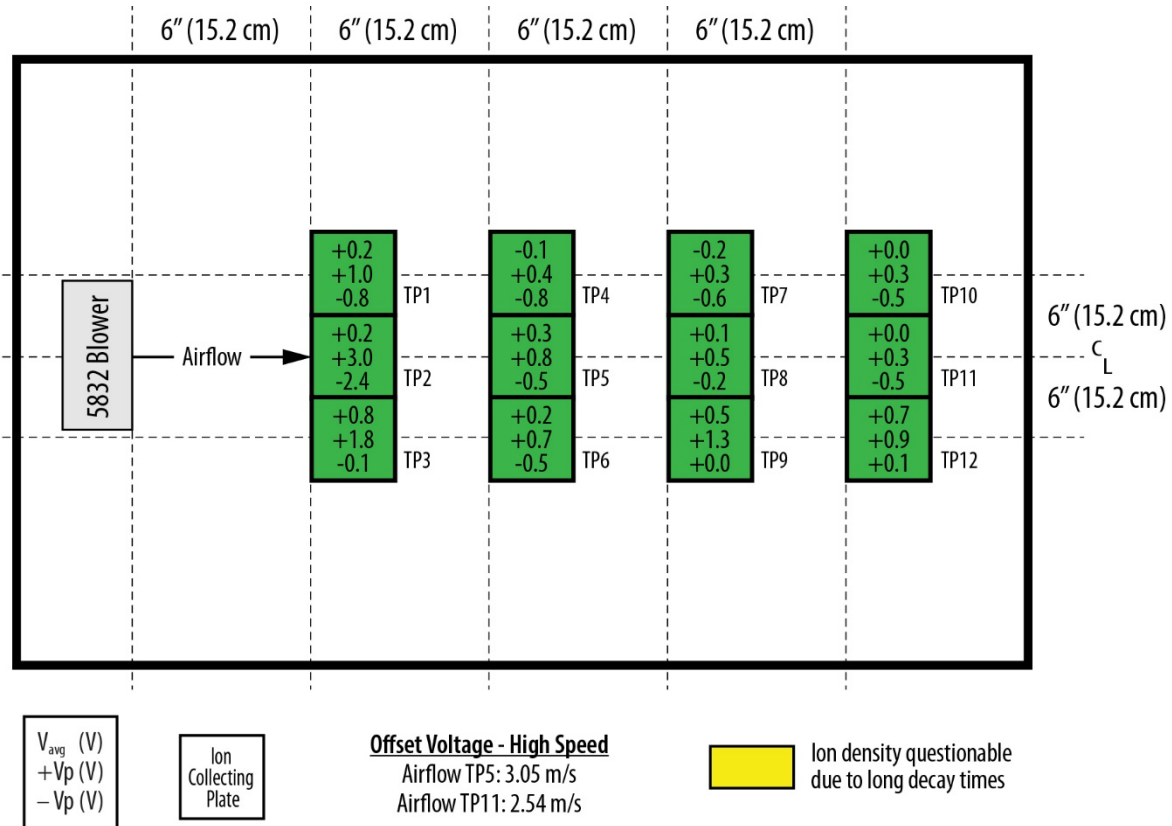
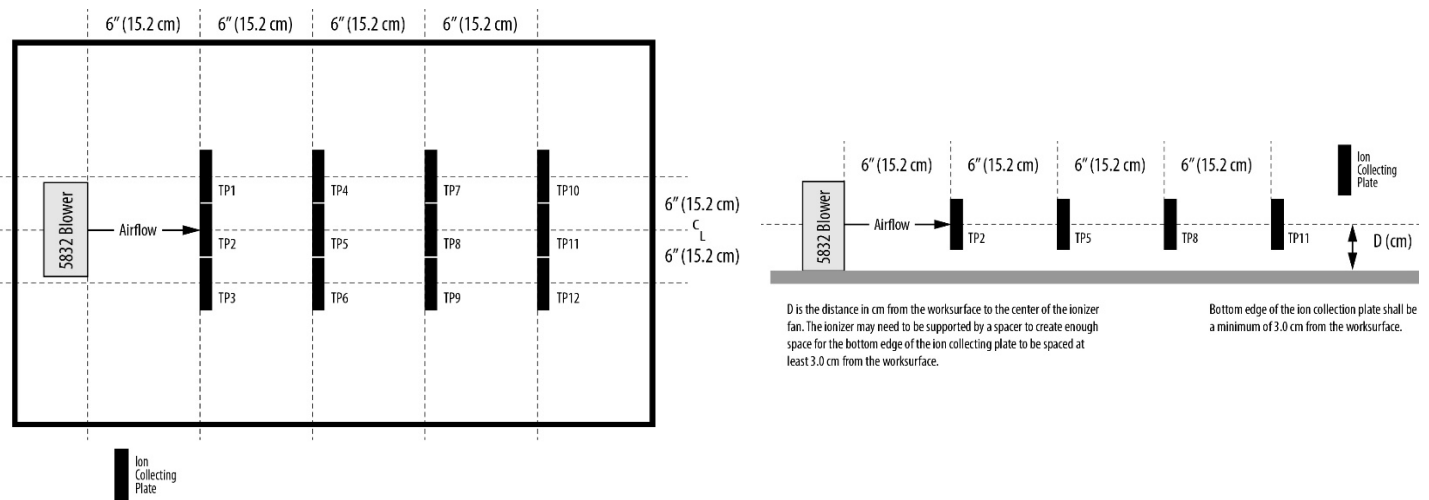


Figure 8. Offset Voltage Data – High Speed

Test Diagram Schematics



If you have any questions or need assistance, please contact Customer Service.