



Modulated Pulse AeroBar[®] with Feedback Control

MODEL 5645 WITH LOW PROFILE NOZZLE

Simco-Ion's latest Modulated Pulse (MP) Technology Ionization Bar is now available with Low Profile Single Crystal Silicon Emitter Nozzle. This enhances the performance and also reduces its overall height to 2.6" (65.3 mm) for space constraint applications. The 5645 MP bar is designed to provide industry-leading balanced ionization performance for semiconductor back-end advanced packaging and test applications and front-end demanding ultra-clean applications for fast discharge time, low swing voltages, and precision balance.

When installed with Novx System or Novx Inside, monitoring and feedback control, the 5645 can maintain precise balance better than $\pm 5V$. The bar can easily adjust and fine-tune voltage, frequency, and balance to meet environmental and product sensitivity requirements. Model 5645 MP bar is available in 14 lengths, from 350-2350 mm.

Features

- $\pm 5V$ with Novx System or Novx Inside version
- ISO 14644-1 Class 1 and Extended ISO Class 1 with SCSi emitter
- Centralize power and control with widely adjustable MP Control software
- Sensor input, FMS connection, alarms, power, and communications are located on the same end of the bar

Benefits

- Provides active monitoring and feedback control on ESD protection with precise and stable balance
- Compatible with all device technology nodes
- Eliminating manual adjustment at the installed location
- Designed for overall ease of use and long maintenance cycles

* Extended ISO Class 1: An extrapolation of ISO 14644-1 down to 0.01 micro (10 nm) particles, measured with a condensation nucleus counter (CPC). For more information, visit www.simco-ion.com/technology/resources for our technical notes on Extended ISO Class 1.



