

# Static Control

## 4103 High-Speed 24V DC Static Bar



The **4103 High-Speed Static Bar** introduces new standards in performance and size in a 24 V DC Static Eliminator. It offers market leading performance in a very compact Bar.

Static neutralization to meet the requirements of high-performance machinery. Integrated high voltage power supply, requires only a low voltage 24 V DC input.

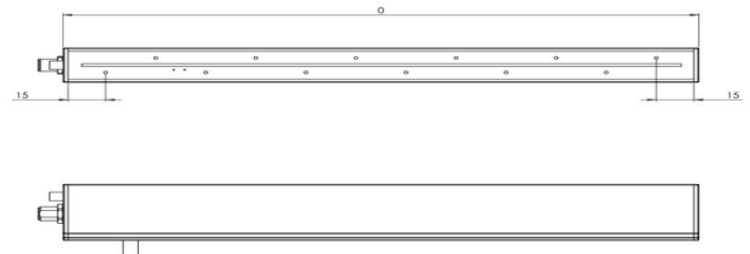
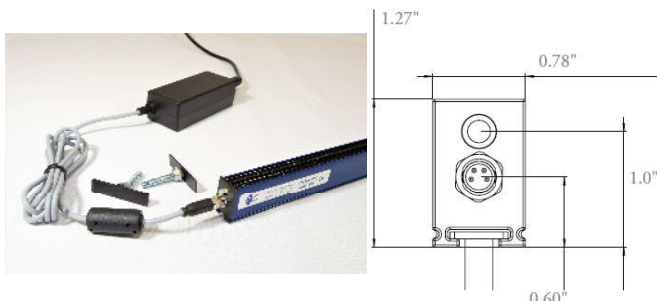


### ■ FEATURES & BENEFITS

- 7.5 kV of ionization power
- Compact size for compatibility with modern machinery
- Emitters made from tungsten for best long-term performance; Resistively coupled for shockless operation
- LED status indication: Bar OK: (green); Fault: (red); Clean Me: (alternating red/green)
- Remote monitoring of operational status and cleanliness through 24 V signals
- Standard M8 4-pin connector
- Best operational distance: 20mm (0.78") to over 150mm (5.90")
- Protected against undervoltage, overload and reverse polarity wiring
- Designed to cope with web speeds of 2000 ft/ min or more @ 1 inch from the target
- Cleanroom compatible to ISO4
- Effective length = 20mm (0.78") less than overall length

### ■ SPECIFICATIONS

- Input: 24 V DC (21-27 V), max current 0.5 A, via M8 x 4-Pin connector
- M8 x 4 core cables & 100~250-volt universal AC/DC Power Supply sold separately
- Dimensions: 32.5mm (1.27") x 20mm (0.78"); Minimum length 250mm (9.84") then in 40mm (1.57") steps to 4010mm (157.87")
- Construction: FR-ABS Industrial grade extrusion, epoxy resin, tungsten emitters, IP66 Fully sealed
- Weight: 250mm (9.84) inch bar = 0.61 lbs.; then 1.12 lbs. per additional meter (39.37)
- System Monitoring: LED on endcap: green = all OK; green/red flashing = needs cleaning; red = fault
- Remote monitoring makes this information available with a 24 V signal from the Bar to a PLC or other destination. This voltage is taken from the Bar - no additional power source is required. Compatible with IEC 61131-2 `Type 3` PLC inputs. Signal protected against shorting and mis-wiring.
- High Voltage Output: Up to 7.5 kV supply integrated into Bar
- Environment: 14-131°F; 70% RH (max) non-condensing
- Standards: CE, UL



\*Endcaps add 2mm at each end