

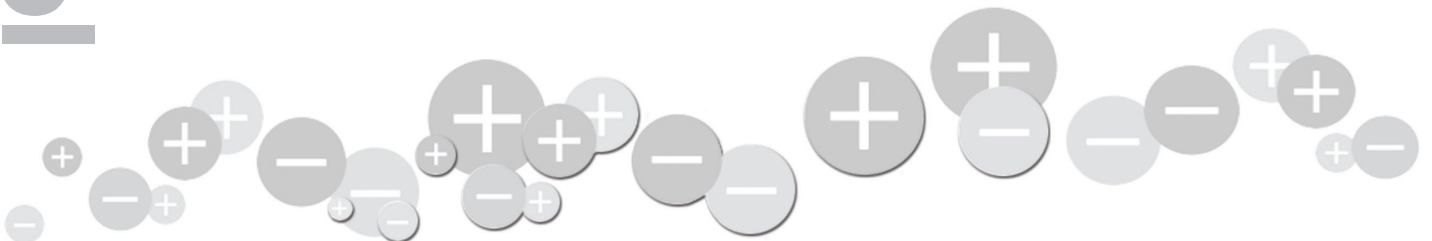
IQ Easy Sensor Bar

MONITORING WITH IQ POWER

As a valuable part of the IQ Power System, the IQ Easy Sensor Bar is an active multi-point sensor bar that functions in monitoring or closed-loop feedback modes. It adjusts as needed in real-time to ensure you are receiving the lowest possible residual charge.

The unique design allows for various configurations, giving you the ability to position the sensors along the web path or in critical areas to receive a complete understanding of electrostatic charges unique to your application.

- Individual sensor readings
- User selectable specific sensors for closed-loop feedback
- Two user controlled voltage alarms
- Over 40 bar configurations available



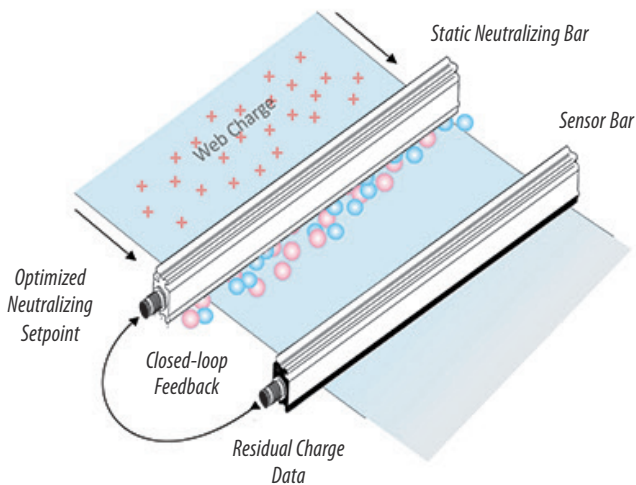
IQ Easy Sensor Bar

The Control Station is the central communication hub of the IQ Power system. IQ Easy sensors connect directly into the IQ Power Control Station through a M12 connector.

Fault and warning alarms can be set at a user-specified voltage threshold via the Control Station which shows data for each sensor. It reports the sensor's overall average and individual sensor readings. Sensor attributes such as run time and address are also viewable.



The Control Station also allows for closed-loop feedback adjustments. Closed-loop feedback (CLFB) mode allows the Sensor to directly control output of the neutralizer. CLFB mode offers the most precise static neutralization.



The sensor incorporates digital technology, offering a superior signal transmission that is impervious to noise. The sensor bar offers numerous sensing ranges with flexible mounting distances.

Specifications

Power Supply	IQ Power Control Station
Input Voltage	24 VDC; 0.05A +0.022A/sensor
Input Connection	5-pin M12 (A-coded) female receptacle
Operating Temp	122° F [50° C] max; 70% RH, no dewing permissible (max)
Operating Distance	2" (50 mm) 20 kV max 3" (75 mm) 25 kV max 4" (100 mm) 30 kV max (factory default setting) 6" (150 mm) 40 kV max 8" (200 mm) 50 kV max 10" (250 mm) 60 kV max
Input Purge Gas	1-2.5 psi (7-17 kPa) nominal operating pressure 5 psi (35 kPa) max operating pressure 0.14 scfm (4 NL/min) per sensor at 1 psi (5 kPa) 0.22 scfm (6 NL/min) per sensor at 2.5 psi (20 kPa) Clean, dry, oil-free compressed air or nitrogen
Gas Input Connection	¼" OD Tubing, Quick Disconnect
Enclosure	Glass fiber reinforced polyester, conductive polyamide
Weight	0.9 lb/ft (1.3 kg/m)
Dimensions	13.14" -157.23"L x 1.19"W x 1.71"H (334 to 3994 x 30 x 44 mm)
Compliance	RoHS

Sensors for Hazardous Locations

The IQ Power HL System is designed to optimize static neutralization within Class1, Div. 1 classified areas.

- **HL Sensors** are intrinsically safe active modules that are easy to install without the use of conduit.
- The **HL Sensor Interface** acts as a gateway between the Sensors and the Control Station. It provides status indicators for up to 8 connected Sensors.



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