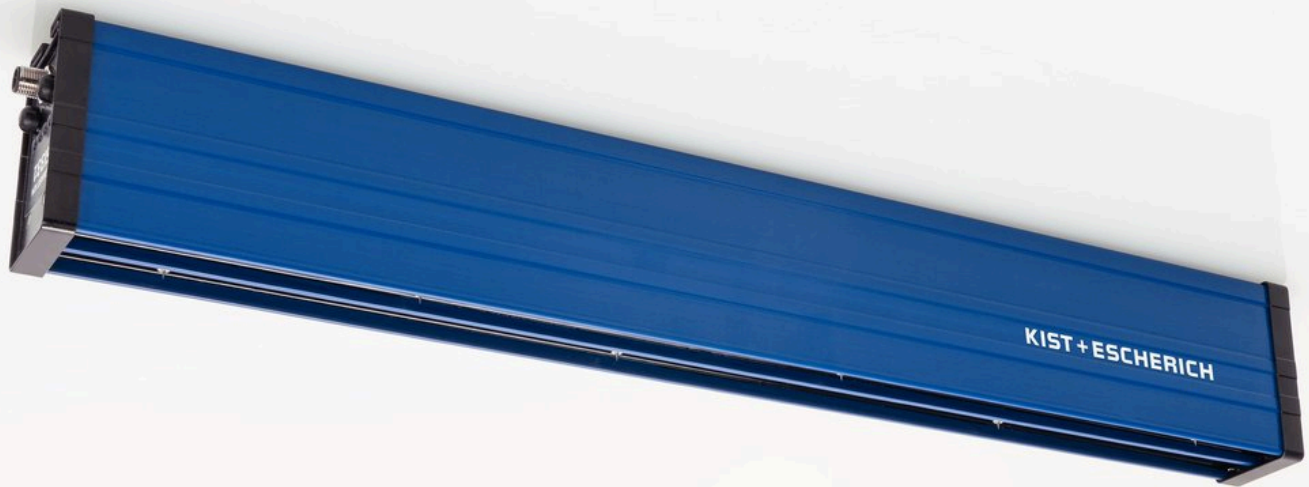


SMART ION 331

Ionisation bar with intelligent electrostatic discharge, for very long range

SI331



Key Facts

- ✓ **Compact ionisation system** with integrated high-voltage power supply and 24 V DC supply voltage
- ✓ **The amount and polarity of the ions to be generated are controlled intelligently** with an integrated measuring system
- ✓ **Application-specific operating modes (automatic mode and manual mode)**
- ✓ **Effective range: 300-1500 mm / transport speed: up to 150 m/min**

- ✓ Quicker discharge: With active control, efficiency can be increased up to 250%

Product Description

SMART ION 331 – our high-performance and intelligent ionisation system, eliminates electrostatic discharges at a large effective range – even without compressed air support.

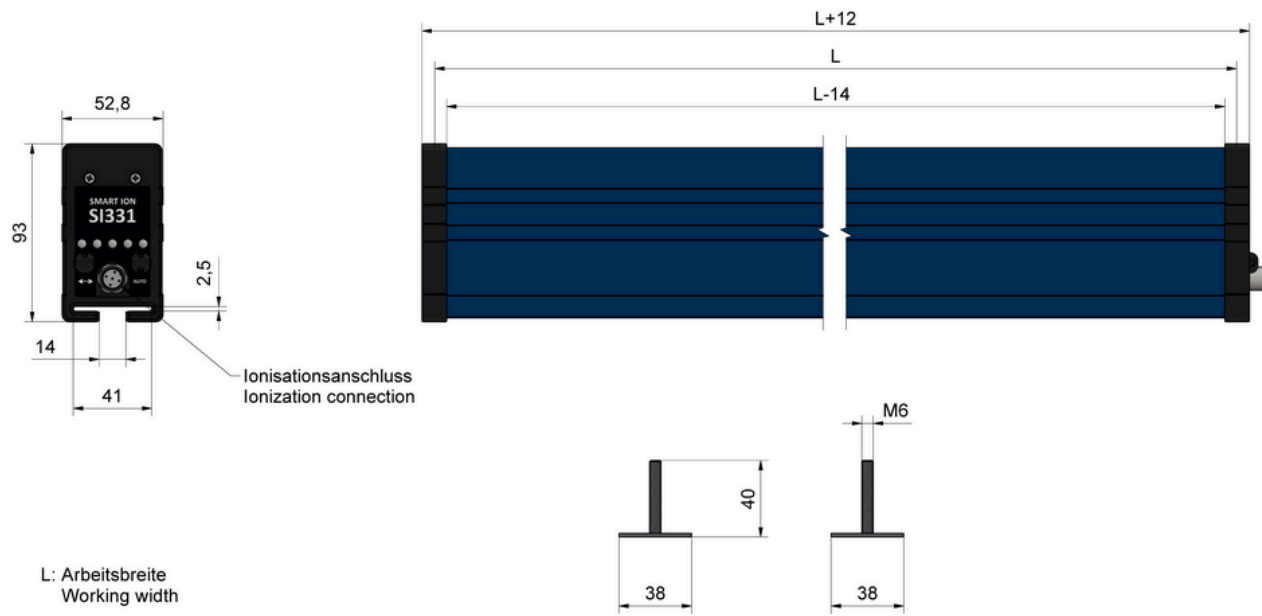
The charge can change from positive to negative when changing materials. In automatic mode, the SMART ION intelligence automatically reacts to changing polarities and optimises ion uncoupling without user interaction. With UL certification, this product delivers trusted safety and performance in the North American market.

- DC pulse technology for neutralising electrostatic charges on large surface areas without air support
- Interchangeable tungsten emitters
- Discharge voltage +/- 30 kV
- The “Clean Me” function monitoring signal alerts you to the need for cleaning
- Safe to the touch for users
- Optical function and error signals via LED status display
- Status signal for external function monitoring
- Suitable for use in cleanrooms
- Can be synchronised via standby signal

Technical Data

SI331	
Version	Standard
cleanroom class	ISO 4
Working width	600 mm; 750 - 6000 mm
Working width increment	250 mm
Working distance (min. – max.)	250 - 1500 mm
Emitter clearance	250 mm
Operating voltage	21 - 28 V (DC)
Current consumption (max.)	2500 mA
Output voltage	33 kV
Ambient temperature (min. – max.)	0 - 55 °C
Weight per meter	1,02 kg + 2.5 kg
Conveying direction (uni-/bi-/multidirectional)	bi-directional
Ingress protection	IP67

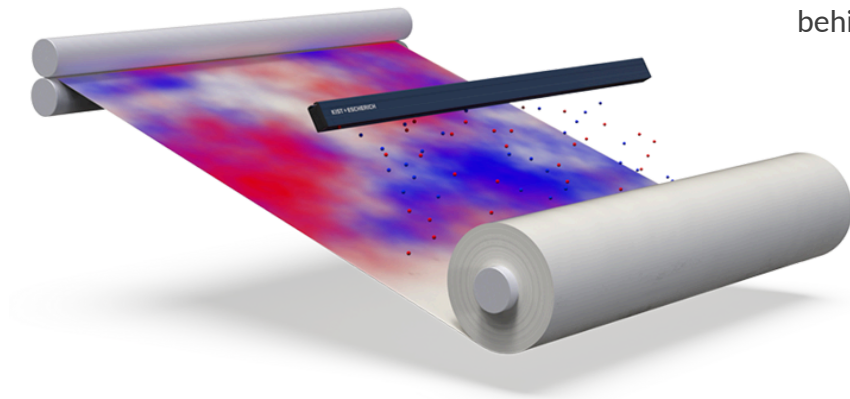
Technical Drawings



TECHNOLOGY

SMART ION

When charges become a risk, SMART ION neutralises them reliably. Discover the intelligent technology behind it.



Related Products



ION CHECK

Function tester for testing
ionisation systems



ELFI 1

Compact static field strength
meter for analysis of static
electricity