

SMART ION 100

Ioniser bar for the electrostatic discharge, short or medium range

SI100



Key Facts

- ✓ **Compact ionisation system** with integrated high-voltage power supply and 24 V DC supply voltage
- ✓ **Optional variants for large effective ranges** or high transport speeds are available
- ✓ **Speed specifications:** Effective range 20-100 mm at up to 1300 m/min transport speeds
- ✓ **Distance specifications:** Effective range 100-500 mm and transport speeds of up to 150 m/min

Product Description

High-performance electrostatic discharge

SMART ION 100 – our high-performance ionisation system, eliminates electrostatic discharges with a large effective range – without compressed air support.

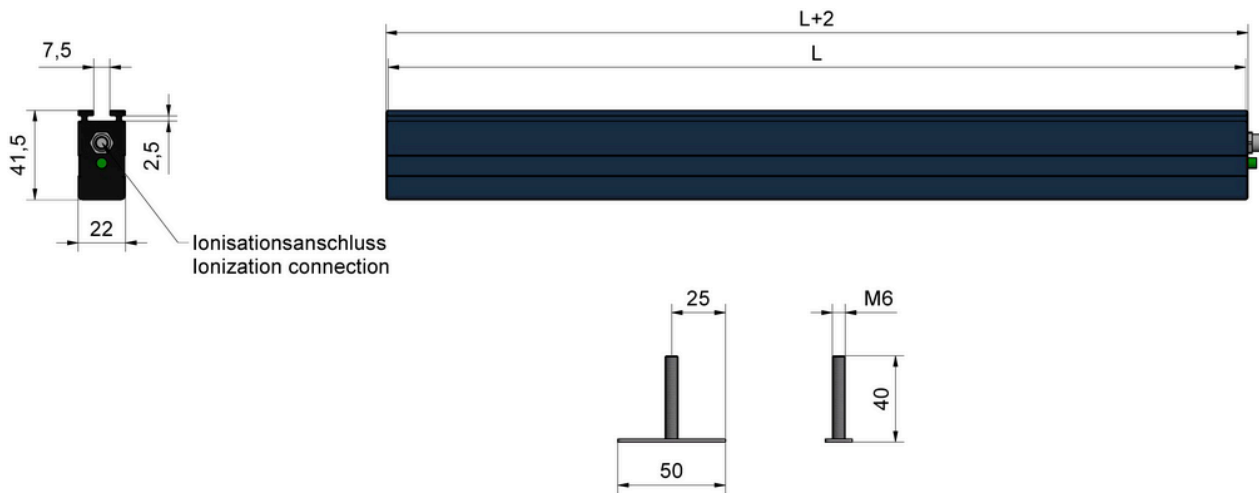
SMART ION 100D has been developed for applications in which high discharge capacity is required, even at greater working distances. SMART ION 100S on the other hand is optimised specifically for applications where high material speeds are a factor. With UL certification, this product delivers trusted safety and performance in the North American market.

- DC pulse technology for neutralising electrostatic charges on large surface areas without air support
- Discharge voltage +/- 11 kV
- The “Clean Me” function monitoring signals the need for cleaning
- Ionisation system contact-voltage proof for users
- Optical function and error signals via LED status display
- Status signal for external function monitoring
- Suitable for use in cleanrooms

Technical Data

	SI100D	SI100S
Version	larger working distances	high-speed operations
Cleanroom class	ISO 4	ISO 4
Working width	300 - 5000 mm	150 - 5000 mm
Working width increment	100 mm	50 mm
Working distance (min. – max.)	100 - 500 mm	20 - 100 mm (AB = 150 - 200)
		40 - 100 mm (AB = 250 - 5000)
Emitter clearance	100 mm	40 mm (AB = 150 - 200)
		50 mm (AB = 250 - 5000)
Operating voltage	24 V	24 V
Current consumption (max.)	500 mA	500 mA
Output voltage	11 kV	7.5 kV (AB = 150 - 200)
		11 kV (AB = 250 - 5000)
Ambient temperature (min. – max.)	0 - 55 °C	0 - 55 °C
Weight per meter	1.3 kg	1.3 kg
Conveying direction (uni-/bi-/multidirectional)	bi-directional	bi-directional
Ingress protection	IP66	IP66

Technical Drawings

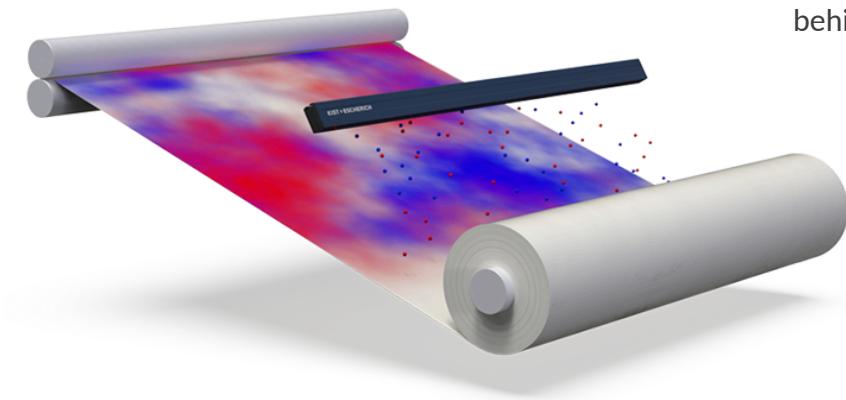


L: Arbeitsbreite
Working width

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