

PRECISION POINT 25

High-performance ionisation electrode for ESD applications

PSP25



Key Facts

- ✓ **Compact ionisation system** with integrated high-voltage power supply and 24 V DC supply voltage
- ✓ **ESD compliant:** Ongoing offset voltage of less than 35 V according to standard DIN EN 61340-5-1
- ✓ **Compressed air-assisted ion transport** to increase range with minimum compressed air consumption
- ✓ **High-frequency technology** ensures optimally adapted discharge performance

Product Description

The **PRECISION POINT 25** ionisation system has been designed especially for use in technology applications and meets the stringent ESD requirements. The units are compliant with IEC 61340-5-1, with a residual charge (ionic balance) < of 35 V. The compact ionisation system includes an integrated HV power supply and a dedicated control unit with LED status display and control signal to indicate the operating status. The high-frequency technology ensures optimally adapted discharge performance.

The **PRECISION POINT 25** ionisation electrodes generate positive and negative ions, which are transported via an integrated blowing nozzle; the ionised airstream then eliminates any charges present on ESD-sensitive components. The high-voltage power supply and monitoring system are built in to enable space-saving and easy system integration.

- For ESD applications with a residual charge (ionic balance) < of 35 V
- Interchangeable, air-purged tungsten emitters
- Integrated pressure monitoring for maximum operational reliability
- Ionisation system contact-voltage proof for users
- Optical function and error signals via LED status display
- The “Clean Me” function monitoring signal alerts you to the need for cleaning
- Status signal for external function monitoring
- A wide variety of nozzle attachments facilitate the realisation of flexible applications
- Standby functionality

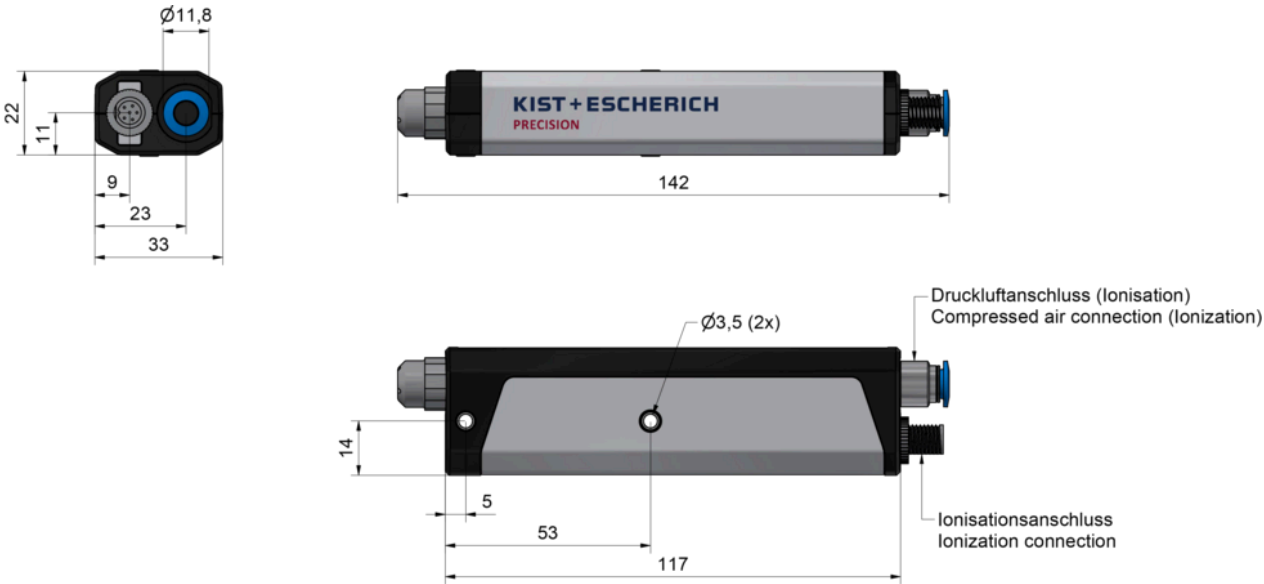
Familiar with the **PRECISION SIP**? The **PRECISION POINT 25** is its successor model – featuring advanced technology for even more precise ionisation. Feel free to get in touch – our sales team will be happy to advise you on the transition.

Technical Data

PSP25	
Version	ESD applications
Working width	100 mm at a working distance of 200 mm
Working distance (min. – max.)	20 – 200 mm
Residual charge (offset voltage)	< 35 V
Operating voltage	24 V (DC)
Current consumption (max.)	100 mA
Operating air pressure for ionisation (min. – max.)	0.2 – 3 bar
Type of compressed air connection for the ionisation system	Ø 6 mm
Ambient temperature (min. – max.)	0 – 55 °C
Weight	125 g
Conveying direction (uni-/bi-/multidirectional)	multidirectional
Ingress protection	IP52

Technical Drawings

PRECISION POINT 25



Air Consumption

Model	NI/min at operating pressure					
	0.2 bar	0.5 bar	1.0 bar	1.5 bar	2.0 bar	3.0 bar
PSP25 with NOZ-01	43	63	97	128	157	213



TECHNOLOGY

PRECISION

Where highest accuracy is a must, PRECISION delivers perfect results. Learn more about the innovative technology behind it.

Related Products



ELFI 1

Compact static field strength
meter for analysis of static
electricity