

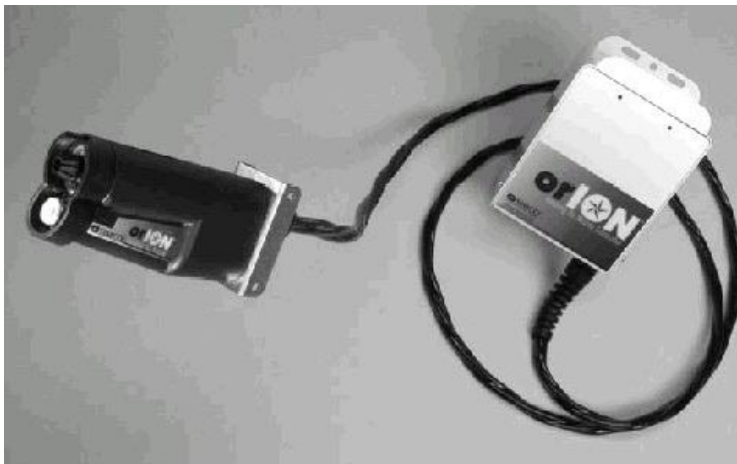
Technical Information

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Orion™ Ionising Air Gun (Part No. 7500.O / 7500.O.SK)



- Quickly neutralizes static charges
- Compact AirGun with high blow-off force
- For use in electronic and cleanroom manufacturing
- Designed for fixed applications on manufacturing lines
- Replaceable filter (0,01μ) to provide cleanest air
- Remote operation with electrical activation
- AC technology



Part No. 7500.O

Applications:

- Cleaning of LCD displays, flat panels, lenses etc.
- Neutralisation of static charges in electronic, optical and pharmaceutical industry
- Masks cleaning in IC manufacturing
- Fixed application in manufacturing lines



Part No. 7500.O.SK - with flexible neck and stand

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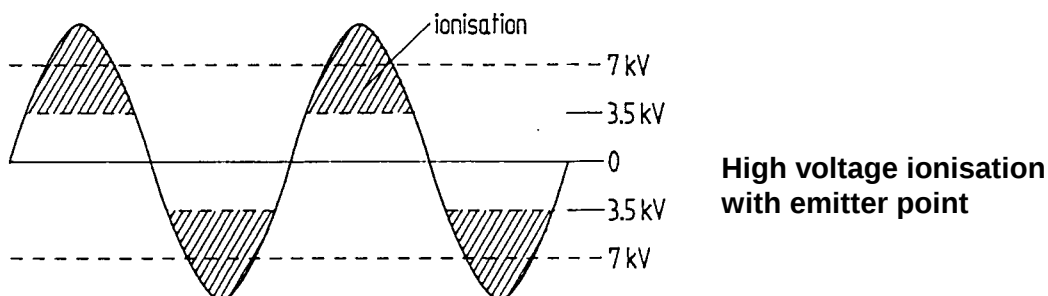
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Technical data:

Power supply:	230V, 50Hz, 0,05A
Input current:	0,05 A
High voltage:	internal ca. 7 kV AC
Offset voltage:	Inherently balanced ± 15 V
Operating temp.:	0° C to 40° C
Dimensions:	13,2 cm x 16,4 cm x 8,5 cm (W x H x D)
Weight:	2,7 kg (steel housing)
AirGun:	185g polycarbonate/ABS blend
Filter:	0,01 micron, replaceable
Hose length:	Controller to Gun = 2,1m
Max. air pressure:	7 bar
Air connector:	1/8" NPT

Airflow, air pressure, noise, decay time according to EN 61340-5-1:

Pressure	Airflow		Noise	Decay time (distance)
2 bar	0,068 m ³ /minute	68 Litre/minute	76 dB	1,3 sec. (15 cm)
4 bar	0,130 m ³ /minute	130 Litre/minute	89 dB	0,5 sec. (15 cm)
7 bar	0,210 m ³ /minute	210 Litre/minute	97 dB	



Ozone generation:

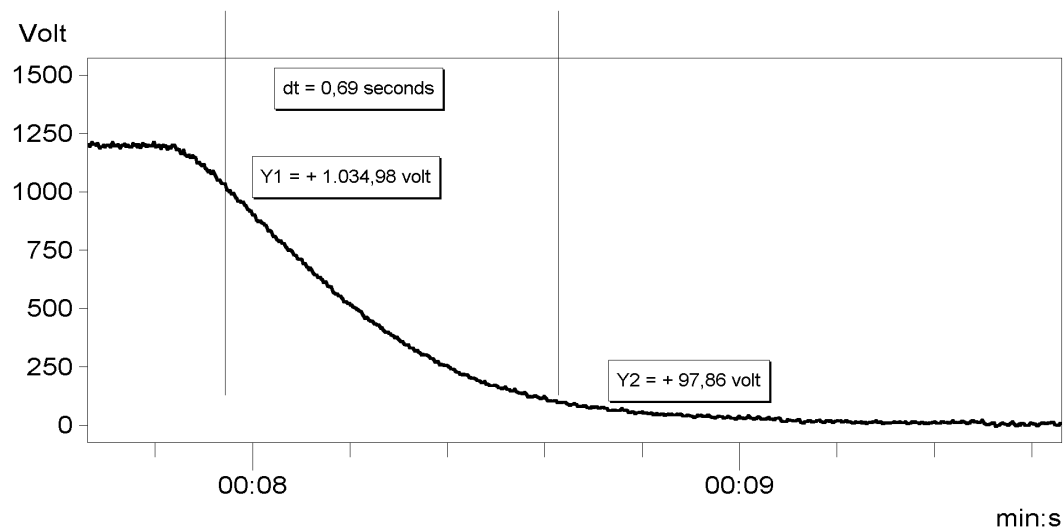
0,001 ppm (measured 45 cm in front of the unit)



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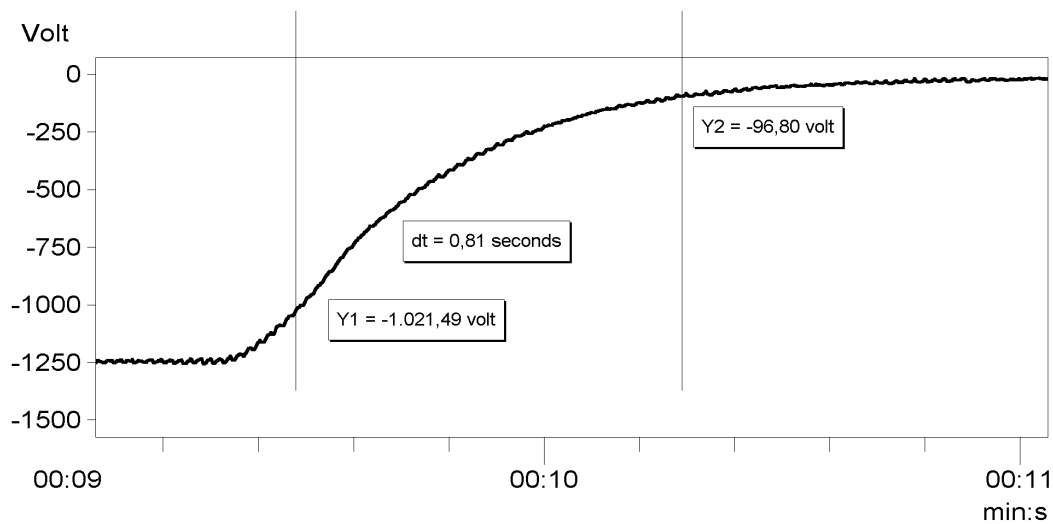
Typical decay time 1.000 V to 100 V (measurement according to EN 61340-5-1)



Kanal: Schreiber 0

Y1: 1034,98 Volt
t1: 00:00:07,94
dt: 0,68 s

Y2: 97,86 Volt
t2: 00:00:08,63
f: 1,46 Hz



Kanal: Schreiber 0

Y1: -1021,49 Volt
t1: 00:00:09,48
dt: 0,81 s

Y2: -96,80 Volt
t2: 00:00:10,29
f: 1,23 Hz

- Measured with a Charged Plate Monitor (CPM) Type EA-3 of SIMCO.
Distance: 15 cm; **Relative Humidity:** 35 %; **Temperature:** 20° C **Air pressure:** 2 bar