3024 ULTRA-COMPACT STATIC ELIMINATOR

An ultra-compact 24 V DC static eliminator, ideal for installation in areas where space is at a minimum. Powerful, compact and easy to install.

Static neutralisation to meet the requirements of high performance machinery at close range. Integrated power supply, requires only a low voltage 24 V DC input.

PERFORMANCE

- 7 kV of ionising power.
- Operating range: 20 – 150 mm.

ESSENTIAL QUALITIES

- All of the electronics are enclosed in the body and fully encapsulated for protection and reliability.
- Tungsten emitters guarantee a long life.
- Shockless operation.
- 24 V DC operation.

CONNECTIVITY AND CONTROL

- LED on electrode gives operational status and whether bar needs cleaning.
- Duplicate remote signals for PLC or to power external lamps, relays.
- Remote on/off switching and stand-by mode.

APPLICATIONS

- The small size of the 3024 Ultra-Compact allows it to be used in applications where space is very limited.
- With a PU cable option, it is also suitable for many robot arm applications.

OPTIONS

- Use with flat nozzle for cleaning and longer-range applications (see 4800 Datasheet).



SPECIFICATION

Construction:
PVC body, epoxy resin encapsulant, tungsten emitters.

Output Voltage:
+/-7 kV supply integrated inside Ioniser.

Remote Monitor / Local Status Indication:
Signals available: 'OK', 'Clean Me', 'Fault' and 'Standby'. Uses 24 V supply to send signal from the bar to the PLC or other destination. Outputs compatible with IEC 61131-2 Type 3 PLC inputs. Signal protected against short circuit or miswiring. Bi-colour LED on ioniser for local status indication.

Electrical Input:
24 V DC (21 - 28 V). Maximum current 0.25 A. M8 connector. The M8 x 4 core cable must be ordered separately - see cable options overleaf.

Environmental:
0 - 55 °C, 70 % rH non-condensing max. IP67.

Certification:
CE and UL.

Options:
100 - 250 V AC-DC 24 V Power Supply (Part No: E3024-PSU).
Available with flat nozzle for cleaning and longer range applications (see 4800 Datasheet).

FRASER Anti-Static Techniques

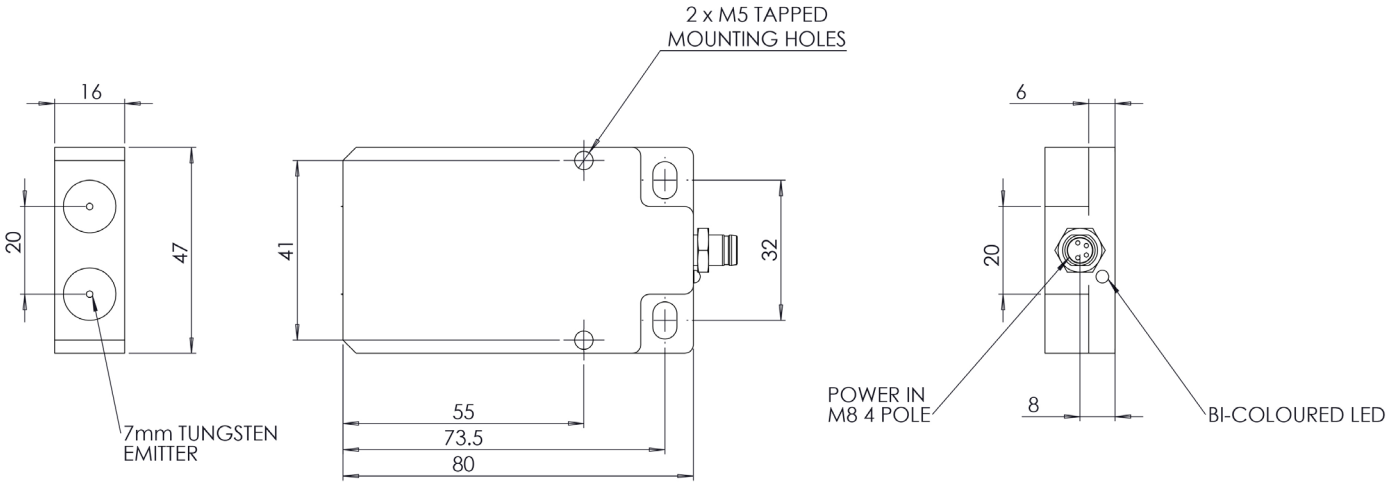
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DIMENSIONS AND CONSTRUCTION

Dimensions: 80 mm x 47 mm x 16 mm. Operating lenth = 47 mm.

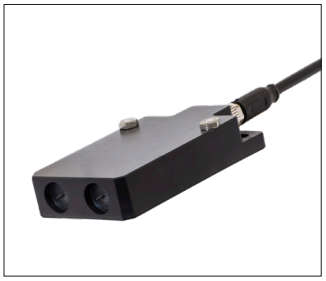
Weight: 100 g.



MOUNTING

Mounting onto the machine is achieved with fixing holes integrated into the product body.

Can be combined with nozzles and gun handles to form ionised air cleaning devices (see Fraser range of cleaning products).





ACCESSORIES AND SPARES

Description	Part No.
3m cable with 180° connector	80892
5m cable with 180° connector	80930
7.5m cable with 180° connector	80931
10m cable with 180° connector	80932
Universal AC-DC power supply*: 100 - 250 V AC, 24 V DC output fitted with 1.5 m of cable	E3024 - PSU
Fraser Ioniser Cleaning Kit	81220

Description	Part No.
3m cable with 90° connector	80933
5m cable with 90° connector	80934
7.5m cable with 90° connector	80935
10m cable with 90° connector	80936
2m M8 male to M8 female 4-pin extension cable for AC-DC power supply cable.	80937

Cables must be ordered separately in addition to the bar. They have standard M8 4-pin female connectors.

* Do not use ANY other standard power supplies with this product. Third party power supplies WILL cause damage and void warranty.