

ANTI-STATIC BARS

3024 24V DC IONISING BAR

The ultimate static eliminator for machinery manufacturers: compact, with built-in electronics, 24V DC supply and very powerful performance.

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

- > Shockless, resistively coupled emitters made in tungsten for unlimited life.
- > LED status indication:
Bar OK: green, fault: red.
- > Remote monitoring of operational status.
- > 100% coverage.
Effective length = Overall length.
No dead zone.
- > Standard M8 4-pin connector.
- > Available in two versions:
3024 F - for distances from 25 mm to 100 mm.
Tested at speeds up to 1300 m/min.
3024 L - for distances from 100 mm to 500 mm.



Specification

Electrical Supply:	24V DC (21-28V), maximum current required 0.5 A. M8 connector. The M8 x 4-core cable must be ordered separately - see cable options on page two.
Remote Monitor:	Sends 24V signal to the PLC or other destination. This voltage is taken from the power to the Bar - no additional power source is required.
High Voltage Supply:	Up to 11 kV supply integrated into Bar.
Construction:	FR-ABS Industrial grade extrusion, epoxy resin.
Protection Classification:	IP66. Fully sealed.
Environment:	0 to 55°C, 70% RH non-condensing.
Options:	100-250V AC, Power Supply. Code: E3024-PSU.
Weight:	1.1 kg/m.
Standards:	CE, UL and CB.

Two Versions

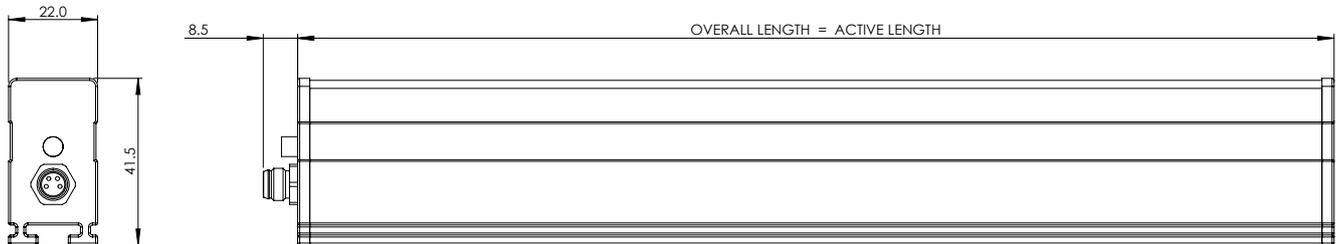
3024 F

- > Ideal for fast-moving materials.
- > Minimum length 250 mm, available in 50 mm steps to 5 m.
- > Operating distance from 25 to 100 mm.

3024 L

- > Ideal for applications with changing geometry.
- > Minimum length 300 mm, available in 100 mm steps to 5 m.
- > Operating distance 100 to 500 mm.

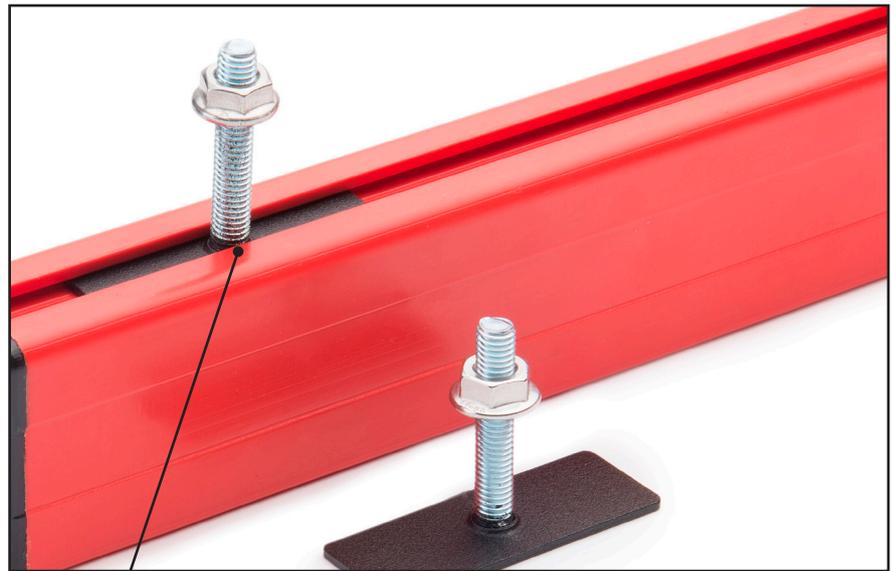
Dimensions



Mounting

'T' M6 x 40 stud and flange nut. Two mounting blocks for Bars up to 1 m, plus 1 extra for every additional 500 mm.

Other stud lengths are available, please contact the manufacturer for options.



The 'T' fixing bracket slides into the slot in the bottom of the Bar.

Accessories/Spares

Description	Part No.	Description	Part No.
3 m cable with 180° connector	80892	3 m cable with 90° connector	80933
5 m cable with 180° connector	80930	5 m cable with 90° connector	80934
7.5 m cable with 180° connector	80931	7.5 m cable with 90° connector	80935
10 m cable with 180° connector	80932	10 m cable with 90° connector	80936
Additional mounting set	30248	Fraser Ioniser Cleaning Kit	81220

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

SHORT/LONGER RANGE STATIC CONTROL

Model 3024

3024-F Suitable for high speed applications (in excess of 1000m/min).
Available in lengths from 250mm up to 5000mm in steps of 50mm.

3024-L Suitable for long range applications (from 100mm to 500mm).
Available in lengths from 300mm up to 5000mm in steps of 100mm.

Length
250mm
300mm
350mm
400mm
450mm
500mm
550mm
600mm
650mm
700mm
750mm
800mm
850mm
900mm
950mm
1000mm
1050mm
1100mm
1150mm
1200mm



Model 3024

Options:	Code
External Power Supply	E3024-PSU
Extra 40mm Mounting Set	30248
15mm Mounting Set	302411
20mm Mounting Set	302410
25mm Mounting Set	30249
3m Cable + M8 4 Pin Conn	80892
5m Cable + M8 4 Pin Conn	80930
7.5m Cable + M8 4 Pin Conn	80931
10m Cable + M8 4 Pin Conn	80932
3m Cable + 90° M8 4 Pin Conn	80933
5m Cable + 90° M8 4 Pin Conn	80934
7.5m Cable + 90° M8 4 Pin Conn	80935
10m Cable + 90° M8 4 Pin Conn	80936
M8 male to M8 female 4-pin extension for 31101 (2m)	80937

Fitted with M8 4 Pin male connector.
Sizes above do not include cable.
Please see Options.



Important Ordering Information	
Please use the following matrix when ordering either Model.	
A	B
Model	Overall Length (4 digits)
For example:	
A	B
3024-F	0250mm
3024-L	1100mm