

1250 / 1250-S Static Eliminators

Powerful performance and market-leading reliability make the 1250 and 1250-S the first choice static eliminators for major manufacturers



The 1250 and 1250-S neutralise static electricity on sheet, web and similar processes throughout the plastics, packaging, converting and related industries. They are equally suitable for food, medical, pharmaceutical and many cleanroom applications.

Benefits and Advantages

Performance

- The modern design gives high performance and completely shockless operation.
- Stay-sharp etched emitters for better long term performance.
- Emitters at 10mm pitch provide the most intense field of static neutralisation.
- Advanced Hi-Flex polyurethane covered cable, rated at 30kV, suitable for processes from robots to high speed machinery.

Reliability

- All electronic components are fully encapsulated for maximum reliability.
- Robust construction ensures a long life of high performance.

Ease of Use

- Simple to install - with fixed mounting studs (1250) or studs sliding in slot (1250-S).
- Operating distances of up to 150mm, best distance 20 - 50mm.
- Washable and easy to clean.
- Wide range of options to extend usability. See next page.

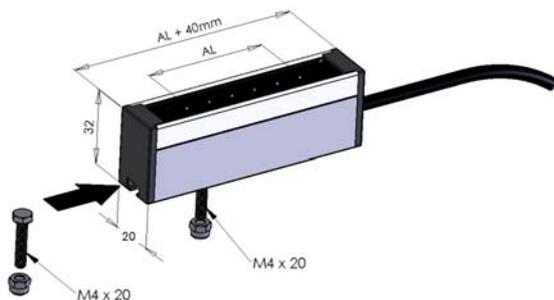
How It Works:

The 1250 works by applying high voltage to an emitter in a controlled and safe way. The electric field around the emitters ionises the air - breaking it up into positive and negative ions. These ions neutralise static electricity by being attracted to charges of the opposite polarity. Unused ions quickly dissipate into the atmosphere.



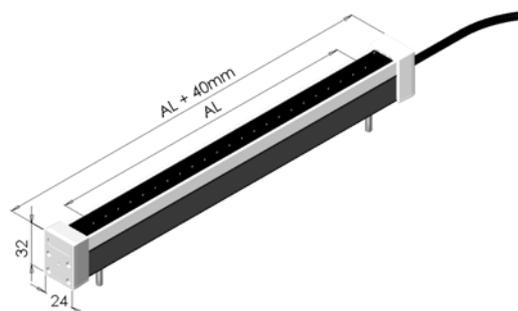
Technical Specification

Length:	From 60 mm to 6 m.
Construction:	Anodised aluminium, epoxy resin, PVC and hardened etched emitters.
Cable:	Hi-Flex polyurethane covered, 30kV screened cable with 25mm bend radius. Standard length is 2m - longer lengths up to a maximum of 10m can be specified at time of order (subject to maximum load on power unit) 90° cable exit option. Bars may be supplied in series - joined by cable
Power Unit	Use with Fraser 5.5kV Power Units - see Datasheets.
Safety:	5mA maximum current from Power Unit. High voltage resistance inside bars further limits current below 50µA.
Mounting:	See sketches below to show 1250 and 1250-S options. 200mm x 20mm steel fixing strips are supplied with each bar.
Temperature:	60°C
Standards:	CE. UL (US and C) Listing is a free of charge option.



1250-S

The 1250-S has M4 x 20mm hexagon head mounting studs which slide in a groove on the underside of the bar. This gives fast and simple installation.



1250

The 1250 has fixed M4 x 20mm studs positioned 20mm from each end, and in the middle for longer bars.

Variants

EX - ATEX

For hazardous areas see EX-1250 Datasheet.

Airboost

For extending the range up to 500mm, see 1250-AB Datasheet.

Balanced:

For high tech applications where an accurate electrical ion balance is required, see 1250-50 Datasheet.

High Charge:

See Super 80 Datasheet - considered by many to be the most powerful static eliminator bar of its type available.

Combination:

A passive static discharger may be combined with a 1250, for speeds over 1000m/min.