X-12 INTELLIGENT STATIC ELIMINATOR

The X-SERIES range of static eliminators is a major advance in industrial static control technology. X-SERIES intelligence monitors the static charge and reacts to it by emitting the quantity and polarity of ions for fastest neutralisation.

X-12 is available in 2 versions:

- X-12F should be mounted within 100 mm of the charged material. It replaces the NEOS 12F as the most powerful short range static eliminator available.
- X-12L is an important part of Fraser's market-leading family of longer range static eliminators. It is for distances up to 600 mm.

PERFORMANCE

- 12 kV of ionising power from 24 V DC input.
- X-SERIES reactive intelligence sets new levels of static neutralisation performance.

ESSENTIAL QUALITIES

- Compact size with fully encapsulated electronics.
- Shockless, tungsten emitters guarantee a long life.
- 100 % coverage: overall length = effective length.

CONNECTIVITY AND CONTROL

- X-SERIES intelligence has three automatic and three manual settings, giving the operator the ability to optimise performance for actual conditions.
- Local LED indication of status of Bar and whether it needs cleaning. Duplicate signals for PLC or to power external lamps, relays.
- Remote on/off switching and standby mode.

APPLICATIONS

- X-12 bars can be used in countless short range and medium range applications.



SPECIFICATION

Construction:
Reinforced FR-ABS industrial grade extrusion and endcap, fully encapsulated with epoxy resin. Tungsten emitters.

Output Voltage:
±12 kV supply integrated into bar.

Remote Monitor / Local Status Indication:
2 signals available: 'HV OK' and 'Attention'. Both outputs are IEC 61131-2 Type 1, Type 2 and Type 3 compatible. The outputs can also be used for direct driving of external lamps or relays. Bi-colour LEDs on endcap for local status indication, including 'Clean Me'.

Electrical Input:
24 V DC (21-28 V), maximum current required 1.5 A. M12 5-pin connector.

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

Certification:
CE and CB.

Options:
100 – 250 V AC-DC 24 V Power Supply (Part No: NEOS-PSU).*

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

FRASER Anti-Static Techniques

Fraser Anti-Static Techniques Ltd | Scotts Business Park, Bampton, Devon, EX16 9DN, UK
T +44 (0) 1398 331 114 E sales@fraser-antistatic.co.uk W www.fraser-antistatic.com
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X-SERIES INTELLIGENCE & LED SIGNALLING

The two push-button switches at the cable end of the bar give the operator full control over the X-12 bar. The left-hand switch is a distance control with 3 options whilst the right-hand switch switches the intelligence on and off.

The three bi-colour LEDs indicate the bar status, including the operation mode, need for cleaning and the polarity of charge on the target.

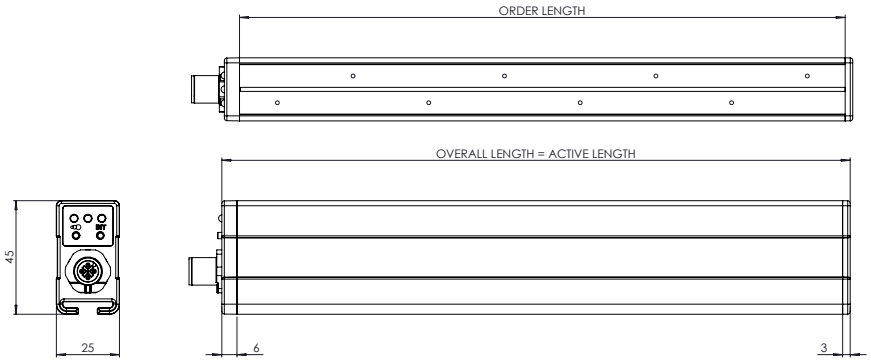
Standard M12 5-Pin connector is backwards compatible with NEOS installations.



DIMENSIONS AND CONSTRUCTION

Dimensions: 25 mm x 45.0 mm (WxH). **Weight:** 1.5 kg/m.

Available lengths: **X-12F** - 360 mm, then steps of 60 mm to 4980 mm. **X-12L** - 360 mm, then steps of 120 mm to 4920 mm.



Note: Overall length = order length + 6 mm (including endcaps).

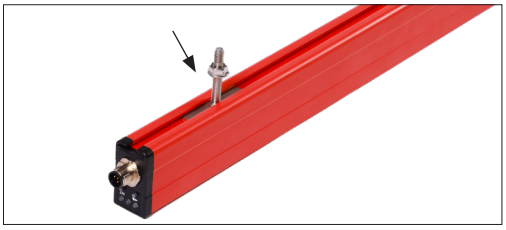
MOUNTING

Each 'T' fixing has one M6 x 40 mm stud and flange nut.

Two 'T' fixings are supplied for bars up to 1000 mm, plus 1 extra for every additional 500 mm.

Other stud lengths are available, contact the manufacturer for details.

The 'T' fixings slide into the slot in the bottom of the bar.



ACCESSORIES AND SPARES

Description	Part No.
3m cable with 180° connector	81193
5m cable with 180° connector	81194
7.5m cable with 180° connector	81195
10m cable with 180° connector	81196
Additional Mounting Set	341210

Description	Part No.
3m cable with 90° connector	81199
5m cable with 90° connector	81200
7.5m cable with 90° connector	81201
10m cable with 90° connector	81202
Universal AC-DC 24 V Power Supply *	NEOS-PSU

24 V Cables must be ordered separately. They have standard M12 5-pin female connectors.