X-33 INTELLIGENT STATIC ELIMINATOR

X-33 is a high-power static eliminator for long-range applications. X-SERIES intelligence significantly increases the neutralisation power of the bar by optimising the output to remove the static charge.

The X-33 provides industry-leading pulsed-DC technology with built-in field polarity sensing and adaptive ionisation. The power of the X-33 makes it ideally suited to manufacturers and end users of large winding machinery, such as slitters and rewinders, cast film extruders, blown film extruders, and laminators.

PERFORMANCE

- 33 kV of ionising power.
- X-SERIES reactive intelligence sets new standards, delivering up to double the static neutralisation power of competitive products.

ESSENTIAL QUALITIES

- Fully encapsulated electronics.
- Replaceable tungsten emitters guarantee a long life.
- Shockless operation.
- 24 V DC operation.
- 100 % coverage: actual length = effective length.

CONNECTIVITY AND CONTROL

- X-SERIES intelligence has simple on-bar adjustment, giving the operator the ability to optimise performance for actual conditions at installation.
- LED indication of status of bar and whether it needs cleaning. Duplicate remote signals for PLC or to power external lamps, relays.
- Remote on/off switching and standby mode.

APPLICATIONS

- X-33 is used on winders, unwinders and many other long range and wide area applications.



SPECIFICATION

Construction:
Reinforced FR-ABS industrial grade extrusion and endcap. Epoxy resin encapsulated. Tungsten emitters.

Output Voltage:
±33 kV supply integrated into the bar.

Remote Monitor / Local Status Indication:
Signals available: 'OK' and 'Status'. Compatible with IEC 61131-2 Type 1, 2 and 3 PLC inputs. Backwards compatible with NEOS products. 5 bi-colour LEDs indicate output frequency, intelligence operational including charge polarity, cleaning required, standby enabled.

Electrical Input:
24 V DC (21 - 28 V), maximum current required 2.5 A. M12 5-pin connector.

Environmental:
0 - 55 °C, 70 % rH non-condensing max. IP64.

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

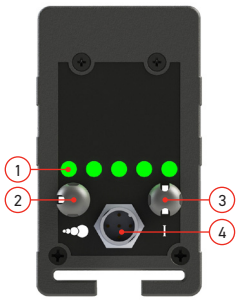
Fraser Anti-Static Techniques Ltd | Scotts Business Park, Bampton, Devon, EX16 9DN, UK
T +44 (0) 1398 331 114 E sales@fraser-antistatic.co.uk W www.fraser-antistatic.com
© Fraser Anti-Static Techniques Ltd 2024 | X-33 DS - Iss.1 - EN

X-33 - TECHNOLOGY REFINED FOR EXCELLENCE

X-33 uses software algorithms to control all of the operating parameters of the bar.

Duty cycle, frequency, dead-time, HV level and polarity are all precisely and intelligently controlled.

X-SERIES reacts to the actual polarity and charge level on the product to achieve the fastest possible neutralisation.

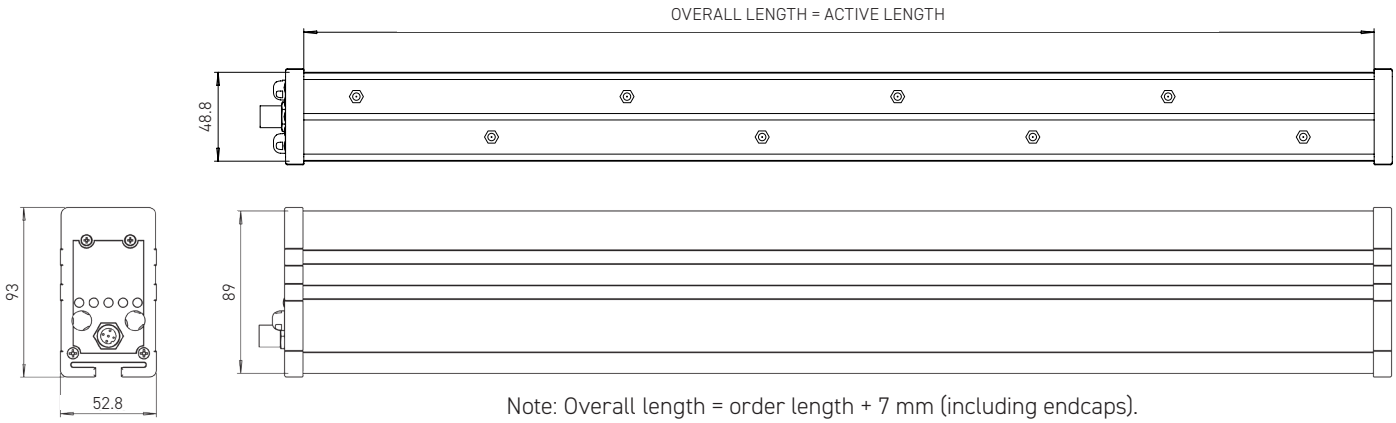


1. The status of the bar, including the need for cleaning, is indicated by 5 bi-colour LEDs on the endcap of the bar.
2. Distance Control: distance-to-target setting.
3. Intelligence Control: X-33 Intelligence ON or OFF.
4. Standard M12 5-pin connector. Backwards compatible with existing NEOS installations.

DIMENSIONS AND CONSTRUCTION

Dimensions: 52.8 x 93 mm (W x H). Available lengths: minimum order length 600 mm, then 750 mm to 6000 mm in steps of 250 mm.

Weight: 1.02 kg + 2.5 kg/m.



Note: Overall length = order length + 7 mm (including endcaps).

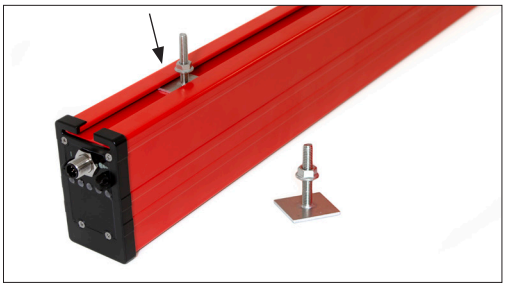
MOUNTING

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

Extra Mounting Sets (Part No 36321) and 24 V cables must be ordered separately in addition to the static eliminator bar. Cable lengths of 3 m, 5 m, 7.5 m and 10 m are available with 90° or 180° M12 5-pin female connectors as standard.