

# X-20 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-20 is a long range static eliminator for distances between 150 mm and 800 mm. It replaces the NEOS 20

## PERFORMANCE

- 20 kV of ionising power.
- X-SERIES reactive intelligence sets new levels of static neutralisation performance.
- The X-20 is part of Fraser's market leading family of longer range static eliminators.

## ESSENTIAL QUALITIES

- Compact size with fully encapsulated electronics.
- Replaceable tungsten emitters guarantee a long life.
- Shockless, 24 V DC operation.
- 100 % coverage. Effective length > overall 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-20 replaces Fraser's best-selling NEOS 20 long range static eliminator. It is used on winders, unwinders and many other long range and wide area applications.



### SPECIFICATION

**Construction:**

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

**Output Voltage:**

±20 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 2.0 A. M12 5-pin connector.

**Environmental:**

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

**Certification:**

CE and CBL.

**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.



**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-20 bar. The right hand switch is a distance control with 3 options whilst the left 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.

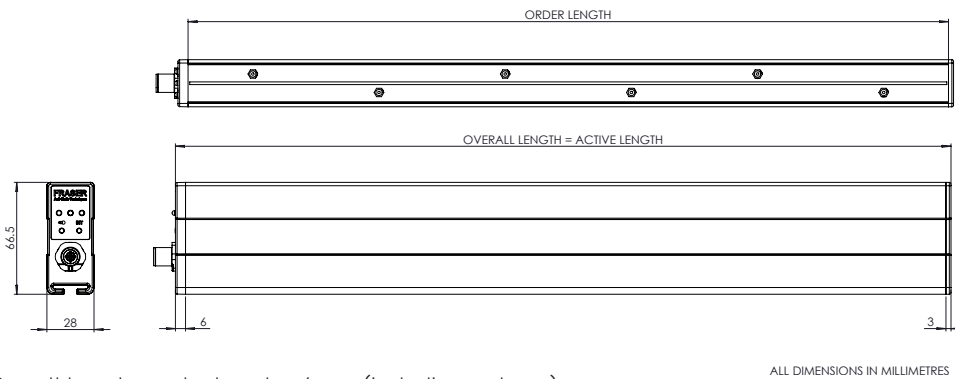
Standard M12 5-Pin connector is backwards compatible with NEOS installations.



**DIMENSIONS AND CONSTRUCTION**

Dimensions: 28.0 mm x 66.5 mm (WxH). Available lengths: minimum 450 mm, then steps of 150 mm to 4950 mm.

Weight: 2.6 kg/m.



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

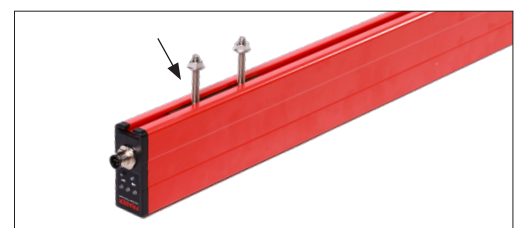
**MOUNTING**

Each 'T' fixing has two M6 x 40 mm studs and flange nuts.

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	34208

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.