ANTI-STATIC BARS

NEOS 12 INTELLIGENT IONISING BARS

The NEOS range of static eliminators is a major advance in industrial static control technology. NEOS intelligence monitors and reacts to the static charge by emitting the quantity and polarity of ions to neutralise it. The combination of NEOS intelligence with intense ion generation creates static eliminators for the most demanding applications.

NEOS 12 is available in 2 versions: **NEOS 12F** is designed to be mounted within 100 mm of the product. It is the most powerful short range static eliminator available.

NEOS 12L is a medium range static eliminator for distances up to 600 mm. For longer ranges see also NEOS 20 and NEOS 30.

- > Shockless, resistively coupled emitters made in tungsten for long life.
- NEOS Intelligence has two automatic and three manual settings to give the operator complete control. See page 2.
- Remote and local monitoring of operation and "Clean Me" function.
- > LED status indication:

Green = OK Red = Fault

Green and Red Flash = Clean Me, attention needed.

- > 100% coverage. Effective length = Overall length. No dead zone.
- > 24 V DC supply, M12 5-pin connector.



Specification

Size: NEOS 12F: min length 300 mm then steps of 60 mm to

4.98 m.

NEOS 12L: min length 360 mm then steps of 120 mm to 4.92

m.

Electrical Supply: 24 V DC (21-27 V), maximum current required 1 A

M12 5-pin connector.

Remote Monitor: 2 signals available: "HV OK" and "Attention" can be used to

drive external loads or interface to systems (lamp, relay,

PLC as required).

High Voltage Supply: 12 kV supply integrated into Bar.

Construction: Reinforced FR-ABS Industrial grade extrusion and end cap,

fully encapsulated with epoxy resin.

Protection Classification: IP67. Fully sealed.

Environment: -10 to 55°C, 70% RH non-condensing.

Weight: 1.5 kg/m.

Certifications: CE. UL & CB



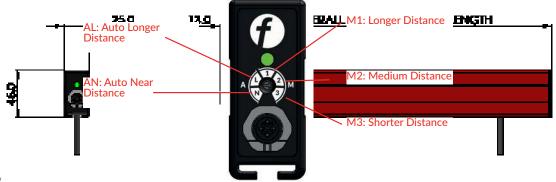




The rotary switch at the non-cable end of the bar gives the operator full control over the NEOS bar. The default factory setting is

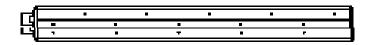
AUTO NORM
AUTO LONG
intelligent mod

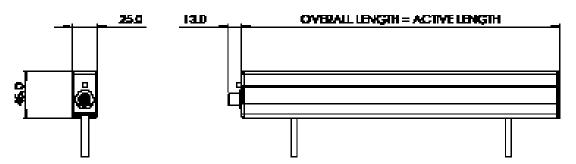






Dimension:



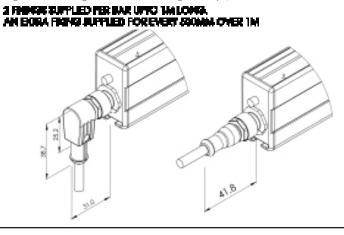


* note - overall length = order length + 6 mm (including end caps)

Mounting

'T' M6 x 40 mm stud and flange nut. Two fixing slides for bars up to 1 m, plus one extra for every additional 500 mm.





Accessories/Spares

| Description | Part No. | Description | Part No. |
|--------------------------------|----------|-------------------------------|----------|
| 3m cable with 180° connector | 81193 | 3m cable with 90° connector | 81199 |
| 5m cable with 180° connector | 81194 | 5m cable with 90° connector | 81200 |
| 7.5m cable with 180° connector | 81195 | 7.5m cable with 90° connector | 81201 |
| 10m cable with 180° connector | 81196 | 10m cable with 90° connector | 81202 |
| Additional mounting set | 341210 | NEOS AC/DC 24V Power Supply* | NEOS-PSU |

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

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





