

ANTI-STATIC BARS

XIFOS 33 INTELLIGENT IONISING BAR

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

Industry-leading pulsed-DC technology with built-in field polarity sensing and adaptive ionisation.

- > 33 kV output from low voltage 24 V DC supply.
- > Neutralisation range from 250 mm to 1,500+ mm.
- > Shockless, replaceable tungsten emitters for long life.
- > 4 easily-set distance and frequency ranges plus Intelligence.
- > Simple tool-free, on-bar adjustment for process optimisation.
- > Remote monitoring compatible with IEC 61131-2 'Type 1, 2 and 3' PLC inputs.
- > 100% coverage. Effective length = Overall length. No dead zone.
- > Bi-colour LED status indicators to show operating mode and 'Clean Me' alert.
- > Standard 'T'-fixings for ease of mounting onto machinery.



Specification

| | |
|-----------------------------------|--|
| Dimensions: | 52.8 x 93 mm (W x H). Minimum length 600 mm, then 750 mm to 6,000 mm in steps of 250 mm. |
| Electrical Supply: | 24 V DC (21 - 28 V), maximum current required 2.5 A. M12 5-pin connector. |
| Status LEDs: | 5 bi-colour LEDs. Flashing green at frequency of operation: bar OK. Scrolling green: - or + Intelligence in operation, bar OK. Flashing red: standby mode. Alternate red/green: bar needs attention/cleaning. Solid red: fault. |
| Remote Monitor: | Signals available: 'Fault' and 'Clean Me'. Compatible with IEC 61131-2 'Type 1, 2 and 3' PLC inputs. Backwards compatible with NEOS products. |
| High Voltage Supply: | ±33 kV supply integrated into the bar. |
| Construction: | Tungsten emitters. Reinforced FR-ABS industrial grade extrusion and endcap. Epoxy resin encapsulated. |
| Protection Classification: | IP64. |
| Environmental: | 0 - 55 °C, 70 % RH non-condensing. |
| Weight: | 1.02 kg + 2.5 kg/m. |
| Standards: | CE. CB and UL pending. |

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XIFOS 33 - Technology Refined for Excellence

Adaptive Intelligence

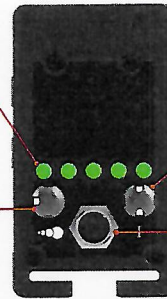
XIFOS 33 uses software algorithms to control all of the operating parameters of the bar.

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

XIFOS reacts to the actual polarity and charge level on the product to achieve the fastest possible neutralisation.

The status of the bar, including the need for cleaning, is indicated by 5 bi-colour LEDs on the endcap of the bar.

Distance Control: distance-to-target setting.

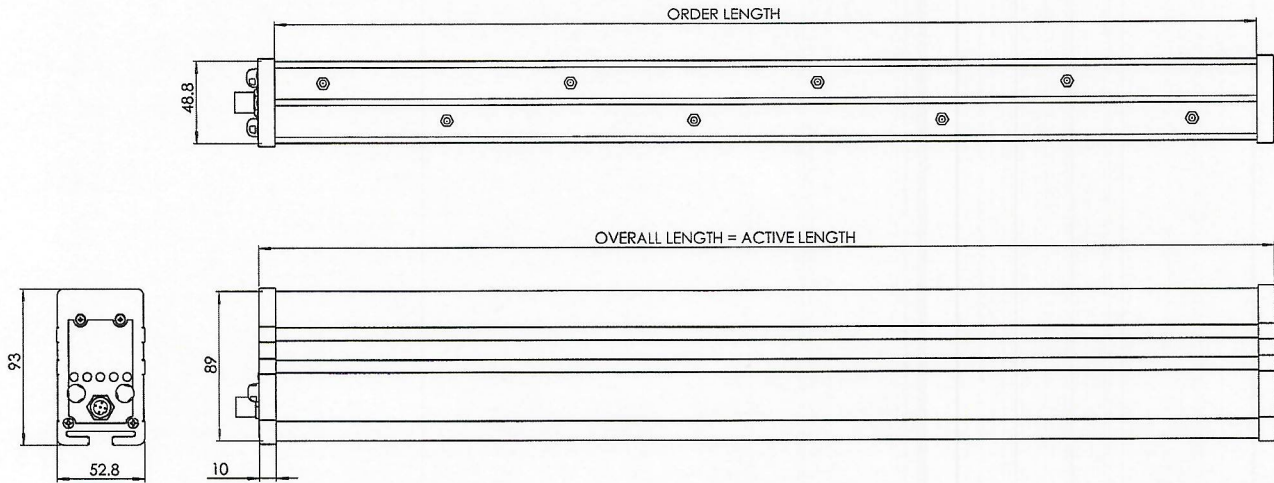


ENDCAP OF THE XIFOS 33

Intelligence Control: XIFOS Intelligence ON or OFF.

Standard M12 5-pin connector. Backwards compatible with existing NEOS installations.

Dimensions

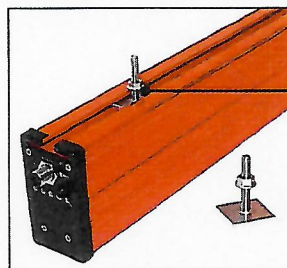


ALL DIMENSIONS IN MILLIMETRES

Mounting

'T' M6 x 40 mm stud and flange nut. Two mounting blocks for bars up to 1,000 mm, plus 1 extra for every additional 500 mm.

Other stud lengths are available, please contact the manufacturer for options.



The 'T' fixing bracket slides into the slot in the bottom of the bar.

Accessories

| Description | Part No. | Description | Part No. |
|---------------------------------|----------|------------------------------------|----------|
| 3 m cable with 180° connector | 81193 | 3 m cable with 90° connector | 81199 |
| 5 m cable with 180° connector | 81194 | 5 m cable with 90° connector | 81200 |
| 7.5 m cable with 180° connector | 81195 | 7.5 m cable with 90° connector | 81201 |
| 10 m cable with 180° connector | 81196 | 10 m cable with 90° connector | 81202 |
| Additional mounting set | 36321 | Universal AC-DC 24 V Power Supply* | NEOS-PSU |
| Fraser Ioniser Cleaning Kit | 81220 | | |

24 V 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 the warranty.

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