

Long-Range Bar Type Ionizer

[NB-A]

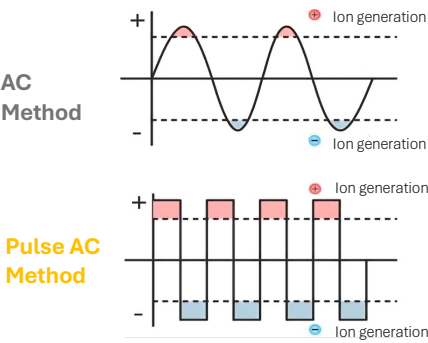
- Long range coverage up to 2,000 mm
- Pulse AC method for high ion production
- Ultra-fast static elimination



Ionizer

High-efficiency pulse AC elimination

This bar-type ionizer utilizes pulse AC technology, alternating high voltage at the electrode probe to generate balanced positive and negative ions. It delivers higher ion output compared to conventional AC method.



Easy electrode probe replacement

Simply rotate to replace the electrode probe. Made of alloy material for longer durability compared to stainless-steel probe.



Tightening the electrode:

⤵ Clockwise

Loosening the electrode:

⤴ Anti-clockwise

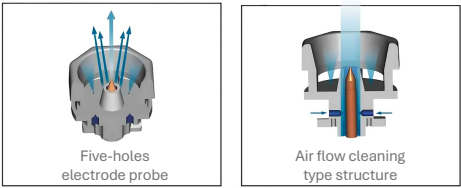
Self-monitoring maintenance alerts

The self-monitoring function tracks ion generation in real time, with an LED indicator or alarm output notifying when maintenance is needed.

Ultra-fast static elimination

It features optimized electrode probe design and airflow path, achieving 1.4 times faster static elimination than previous models at maximum air pressure.

1.4x FASTER STATIC ELIMINATION



Ionization needle airflow cross-section images
*Comparing to previous models

Advanced safety protection

The NB-A Uses a 24V low-voltage input with a built-in generator to prevent high-voltage exposure. During abnormal discharge, the ionizer triggers alarms and shuts down automatically.



24V low-voltage input with built-in generator

Overview
Code Reader
Handheld Reader
Vision Sensor
Vision System
Fiberoptic Sensor
Photoelectric Sensor
RGB Colour Sensor
Proximity Sensor
Ultrasonic Sensor
Safety Curtain
Ionizer

NB-A

Long-Range Bar Type Ionizer

NB-A Series Variant

50 mm air jet spacing

Model	Total length	Static elimination bar length	Mounting pitch outer* (C)	Mounting pitch inner* (D)	Effective length	Number of electrodes
NB-A3	270	232	255	215	200	3
NB-A4	320	282	305	265	250	4
NB-A5	370	332	355	315	300	5
NB-A6	420	382	405	365	350	6
NB-A7	470	432	455	415	400	7
NB-A8	520	482	505	465	450	8
NB-A9	570	532	555	515	500	9
NB-A10	620	582	605	565	550	10
NB-A11	670	632	655	615	600	11
NB-A12	720	682	705	665	650	12
NB-A13	770	732	755	715	700	13
NB-A14	820	782	805	765	750	14
NB-A15	870	832	855	815	800	15
NB-A16	920	882	905	865	850	16
NB-A17	970	932	955	915	900	17
NB-A18	1020	982	1005	965	950	18
NB-A19	1070	1032	1055	1015	1000	19
NB-A20	1120	1082	1105	1065	1050	20
NB-A21	1170	1132	1155	1115	1100	21
NB-A22	1220	1182	1205	1165	1150	22
NB-A23	1270	1232	1255	1215	1200	23
NB-A24	1320	1282	1305	1265	1250	24
NB-A25	1370	1332	1355	1315	1300	25
NB-A26	1420	1382	1405	1365	1350	26
NB-A27	1470	1432	1455	1415	1400	27
NB-A28	1520	1482	1505	1465	1450	28
NB-A29	1570	1532	1555	1515	1500	29
NB-A30	1620	1582	1605	1565	1550	30

*outer side: two sides bracket holes facing outside
inner side: two sides bracket facing inside

Accessories Lineup



Ionizer
NB-A



Control Cable
HDB15P-M-ETH-3M



Electrode Probe
FG-169



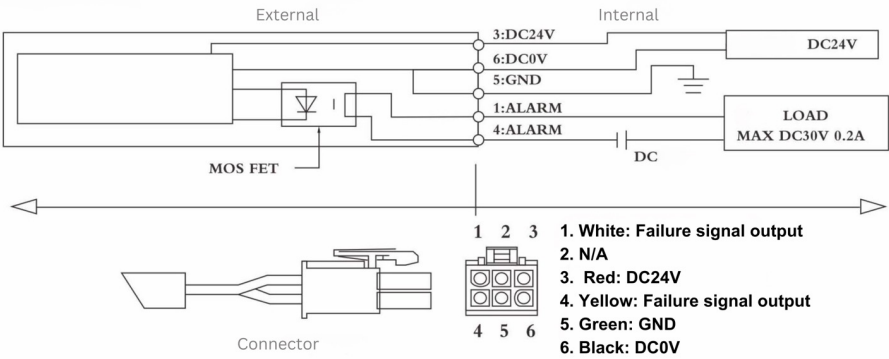
L Shape Installation Bracket
FG-NBA1

Specifications

Model			NB-A
Ion generation method		Auto-balancing function	
Structure		Built-in high voltage generator, no external high voltage wire, replaceable power supply head	
Ion balance control method		Auto ion balancing system	
Ion balance		± 5V	
Air jet spacing		50 mm	
Operating distance		50 to 2000 mm	
Static elimination time		Approx. 0.7 s (@ 300 mm) Approx. 1.2 s (@ 600 mm) Approx. 1.7 s (@ 900 mm)	
Air supply pressure		0.05 to 0.5 MPa	
Other Functions		Auto-clean, ionization failure alarm, indicator lamp	
Rating	Power Voltage		DC-24V05 ± 5%
	Current Consumption		200 mA
Ambient operating temperature		5 to +40°C degree	
Ambient operating humidity		15 to 85% RH (Non condensation)	
Material of electrode probe		Titanium alloy	

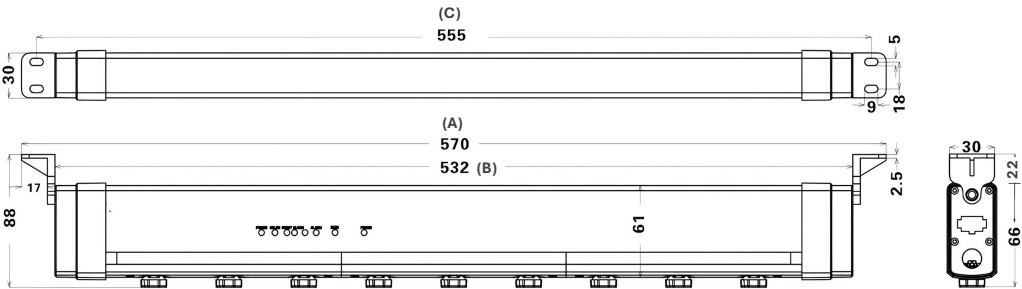
Wiring Diagram

unit: mm



Dimensions

unit: mm



Ionizer

Overview

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Handheld
Reader

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Vision System

Fiberoptic
Sensor

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Proximity
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