

SPECIFICATIONS

Heads

Model No.	ER-X001	ER-X008	ER-X016	ER-X032	ER-X048	ER-X064
Effective charge removal width	Approx. 50mm	Approx. 80mm	Approx. 160mm	Approx. 320mm	Approx. 480mm	Approx. 640mm
Charge removal time	Max. 1s (note 1)					
Ion balance	Max. ± 30 V (note 1, 2)					
Discharge method	Pulse AC method					
Discharge output voltage	Approx. 7000 V					
Ozone generation	Max. 0.01ppm					
Maximum air pressure	0.5MPa					
Applicable fluid	Air (dried clean air) (note 3)					
Net weight	Approx. 370g	Approx. 330g	Approx. 410g	Approx. 530g	Approx. 650g	Approx. 780g

Notes:

- 1) The following conditions apply: discharge distance 100mm, center of the product, discharge wavelength 50Hz and no air supply.
- 2) Ion balance is average of plus and minus. Also, the specification value is typical value in condition of max. $\pm 10^{\circ}\text{C}$ ambient temperature change, set the ion balance after 30 minutes of the discharge starting, switching on the ion balance control function.
- 3) The dried clean air is defined for air passing through air dryer (dew point: equivalent of -20°C) and air filter (mesh-size: equivalent of $0.01\mu\text{m}$)

Controller

Model No.	ER-XC02	
Number of heads connected	Max. 2 units	
Supply voltage	24VDC $\pm 10\%$	
Current consumption	Max. 450mA when connecting 1 head, max. 800mA when connecting 2 heads	
Indicator	Displays status of head 1 and 2	
DSC (Discharge)	Green LED (lights up when ionizer discharges)	
CHECK	Orange LED (lights up when dirt, wear, is detected on the discharge needle)	
ERROR	Red LED (lights up when abnormal discharge is detected)	
Level meter	Green LED (5 levels, lights up depending on the amount of the charge or ion generated)	
Output [ALARM ERROR COM (Common)]	PhotoMOS relay output Max. load current: 100mA Applied voltage: max. 30VDC (between output-output common) Residual voltage: max. 1.5V(at load current of 100mA)	
Output operation	ALARM:	ON when dirt or wear of the discharge needle is detected. OFF when operation is normal.
	ERROR:	OFF when abnormal discharge is detected. ON when operation is normal.
Short-circuit protection	Incorporated (automatic reset type)	
Accessories	Power supply / I/O connector: 1 set (housing 5557-10R, terminal 5556TL [manufactured by Molex Inc.]) Ground wire (approx. 3.7m): 1 pc.	