

+ Theory

- Based on the physics theory of "Corona Discharge" effects and "Points Discharge" that transmit the electric through potential difference to achieve the effect of electrostatic elimination, the product use the "electrostatic engineering" transmission theory to push the electrostatic ions from the human body into the activation area of the device collection box through the characteristics of electrostatic that will pass from high potential to low potential, and use the "skin effect" to push static electricity from the activation area to the static storage, because of the built-in ion exchanger (Low Ionization energy), it can easily provide the electrostatic ions with the same amount of opposite electricity to neutralize, and achieve the static elimination. Between the static storage area and discharge area, there is 1meg resistance to prevent the static from backflow and transmitting.
- In addition, there is a connecting discharge button on the outside of the device that is connected with the internal conductor loop. It (1) can be used when a large amount of electrostatic charge caused by improper contact with the high static power source, the turnbuckle and the outside air water molecules will process ion neutralization (corona discharge effect), which effectively eliminates static electricity, and achieves the ultimate goal of "static voltage balance". (2) This screw can be used for potential zeroing function (Simply contact with the ground point). (3) It can be a circuit inspection terminal.

Patent

TWN (No.79573)(No.128574)
CN No. ZL 99 2 26928.8

+ Product Features

- Convenience** – Break through the space constraints for unlimited movement. Not only the operator will not be tied down by the ground wire, but also more suitable for the supervisor or visitor to make inspection on movement.
- Safety** – Just simply check the device circuit regularly to use at ease, without worrying if the connection with the grounding wire is still stable.
- Economical** - The life span of the device is around 2 years under normal usage, the device validity about 2 years. It much more cost-effective compared with wired wrist strap that need to change the grounding cord every 3-6 months.

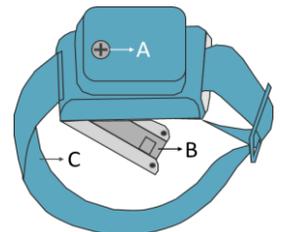
+ Application

- General electronics/industry/textile/automobile/printing plant, office group, family individual.



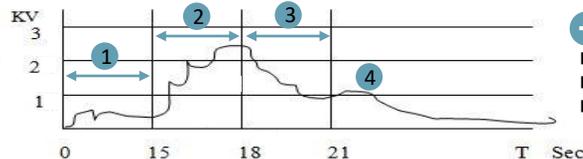
+ Test Procedure (Test equipment: Multi-meter / Wrist strap tester)

Point	Description	Test & Match Point	Resistance (± 5 %)	Result
A	Turnbuckle	A – B	$10^6 \Omega \leq R < 10^7 \Omega$	Good
B	Stainless plate	A – C	$10^6 \Omega \leq R < 10^7 \Omega$	
C	Elastic/Metal/Silicone band	B -- C	$10^2 \leq R \leq 10^4 \Omega$	



+ Test report

- Test Condition : 26 C , 46% RH
- Test equipment : Static test meter (MSV-20)
- Recorder : 3057
- Test Result : (Number description)
 1. Activate
 2. Charge
 3. Static Storage
 4. Discharging



+ Type

- Elastic Band
- Stainless Metal Band
- Silicone Band

Cordless Antistatic Wrist Strap-Elastic Band

ML-301



C1

C2

C3

ML-33



C1

C2

C3

+ Specification

Item No.	Description	Type	Remark
ML-301C1	Light blue color	Big device	w/spare band
ML-301C2	Black color	Big device	w/spare band
ML-301C3	Green band	Big device	w/spare band

Item No.	Description	Type
ML-33C1	Light blue color	Small device
ML-33C2	Black color	Small device
ML-33C3	Green band	Small device

Cordless Antistatic Wrist Strap-Stainless metal Band

+ Product Features

- Suitable for cleanroom



ML-300

MLB300

ML-310

MLB310



ML-30

MLB30

ML-31

MLB31

+ Specification

Type	Item No.	Band Size	Description
Big Device	ML-300	S/M/L	Light blue set
	MLB300	S/M/L	Black set
	ML-310	S/M/L	Light blue device/Silver thick Metal band
	MLB310	S/M/L	Black device/Silver thick Metal band

Type	Item No.	Band Size	Description
Small Device	ML-30	S/M/L	Light blue set
	MLB30	S/M/L	Black set
	ML-31	S/M/L	Light blue device/Silver Metal band
	MLB31	S/M/L	Black device/Silver thick Metal band

Cordless Antistatic Wrist Strap – Silicone Band



+ Product Features

- Suitable for cleanroom

+ Specification

Type	Item No.	Description
Small Device	ML-33C1-SL	Light blue
Device	ML-33C2-SB	Black