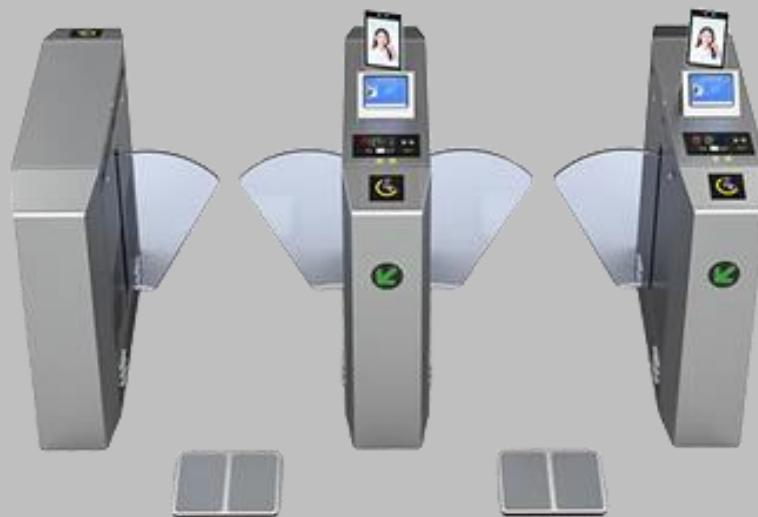


Model No: TS-ESD



## Products Introduction:

The ESD Tester Kit with Display Unit is an advanced and comprehensive solution designed to ensure effective electrostatic discharge (ESD) protection in static-sensitive environments. It integrates high-precision testing with intelligent access control functionality, making it suitable for use in cleanrooms, electronics manufacturing, and controlled ESD-safe areas. This system is capable of independently testing wrist straps, left and right anti-static shoes, and verifying compliance with preset resistance thresholds.

Equipped with an 8-inch display, RFID card access control, and multiple communication interfaces such as RS485, Weigand, and RS232, the ESD Tester Kit provides real-time display of test results, environmental conditions, and personnel information. With fast response times, high accuracy, and user-friendly operation, this kit ensures safety, traceability, and streamlined workflow integration.

## Application Location:

The ESD Tester Kit with Display Unit is designed for use in environments where electrostatic discharge control is essential to protect sensitive electronic components and equipment. It is widely applied at entry points to ESD Protected Areas (EPAs), electronics manufacturing facilities, and semiconductor production plants to verify the grounding integrity of personnel through wrist straps and anti-static footwear. The system is also ideal for use in cleanrooms, R&D laboratories, and repair centers, ensuring safe handling of microelectronic devices. Additionally, it serves critical roles in industries such as aerospace, automotive electronics, and medical device manufacturing, where even minor ESD events can lead to costly failures or safety issues.

## Features :

- Turnstile access control with delay signal output
- Independent dual-foot pedal design
- Optional test types (wrist strap, anti-static shoes, both, or neither)
- Adjustable upper/lower resistance limit for wrist strap
- Adjustable upper/lower resistance limit for anti-static shoes
- Independent test results for wrist strap, left shoe, and right shoe
- Fast response time (< 500ms)
- Accuracy  $\pm 10\%$
- Card reader interface support
- RS232 and RS485 communication interface
- Wiegand 26/34 input compatibility
- Upgradeable hardware/software



## Specifications :

Brand name	Technospacio
Dimensions	115 L x 175 W x 28.5 H
Working Temperature	-20° C ~ 60° C
Working Voltage	DC 12V 2A
Wrist Strap	750K $\Omega$ ~35M $\Omega$
Static Shoes	750K $\Omega$ ~100M $\Omega$
Accuracy	$\pm 10\%$
Responding Time	< 500ms
Reading Frequency	13.56 Mhz / 125 Khz / HID
Output	RS485
Input	Weigand 34/26, RS232 can be customized
Indicator	Red, Green LED Light
Operating system	Linux
Display size	8-inch to display test result
RFID Card	EM/MF/HID