

ESD Micro device compatible TEST STATION

MODEL EMD-625E Series

No mercury relay inside

This test equipment is compatible with test devices of various sizes. In particular, it supports testing of extremely small fine pitch devices.

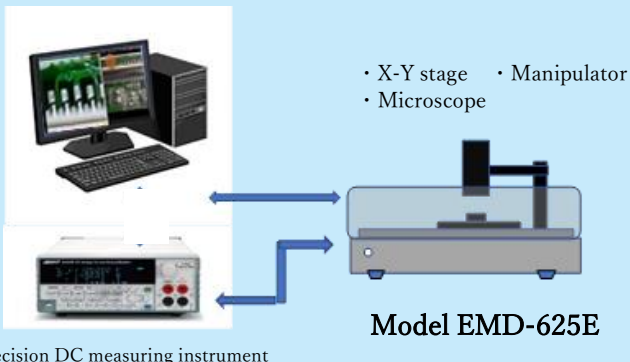
Easy to align the device to be tested. Manual operation and semi-automatic test are possible. After zapping, DC measurement can support.

Features

1. Suitable for samples of various shapes
2. Ideal for ESD testing of microdevices
 - Approaching fine pitch with a digital microscope
 - Contact microdevices with a manipulator
 - Smooth alignment by X-Y stage
3. HBM, MM test is possible by option selection
4. HBM test maximum: 8KV

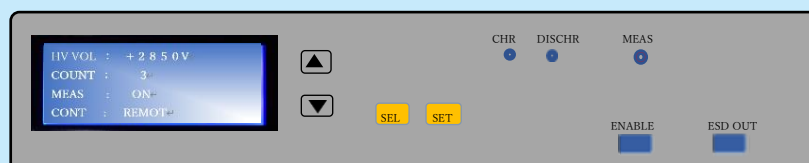
Application

Tester configuration



ESD simulation

- MR / GMR head
- Small parts, chip parts
- LCD panel ● TR, IC diode, etc.
- LCD panel ● Small unit
- PC board power, signal pins
- IC card, memory card



Specifications

General specifications

- Test pin: Single pin
- Standards: JEDEC, AEC, EOS
- DC measurement function: Maximum 30V/ 1A
(Minimum 10mV / 10nA)*
- Test voltage : HBM 125V to 8KV
: MM 10V to 2KV
- Number of ESD pulse: 1 to 10 or continuous
- DUT mounting part: IC socket or device alone

■HBM application *

■HBM application and destruction*
judgment function *

■MM application*

■MM test and destruction judgment function *

Model Name:

HBM/ MM Model : EMD-625E(With option)

| | Manual | Semi-automatic |
|----------------|--------|----------------|
| HBM | ○ | ○ |
| MM | ○ | ○ |
| DC measurement | × | ○ |
| Microscope | ○ | ○ |
| Manipulator | ○ | ○ |
| X-Y stage | ○ | ○ |
| DUT Board | ○ | ○ |

- Safety function: Enable switch
- AUTO / LOCAL setting: LED sign
- External control: GP-IB *
- Host Controller : PC(Windows10) *and LCD Monitor
- DC Source mater : 6240B * or compatible
- X-Y stage: Manual 35mm operation *
- Digital microscope: UM12: * or compatible
Working distance height: 8mm-159mm
Image: Still image, video
Number of pixels: 5 million pixels
Connect with USB PC Autofocus function
- Manipulator: 204CR 204CL or compatible
- DUT Board:
DUT Board-A (with IC socket)
DUT Board-B (without IC socket)
- Power supply: AC90V-240V 50 / 60Hz

(Approximate dimensions)

- ① Main body:320(W) × 100(H) × 360(D)
- ② Microscope:48(W) × 64(W) × 150(H)
- ③ DC Source mater 210(W) × 88(D) × 400(D)mm

About semi-automatic test function

ESD output ON / OFF

DC measurement START / STOP

ESD / DC measurement switching is not possible

問合せ