

DATA SHEET

**WORKSTATION MONITOR**

Model: WSM-01 / (For One Operator)

In the electronics semiconductor industry ESD protected tables are used, which mainly consist of ESD mats or ESD laminates, and operators wear personnel groundings devices of ESD wrist straps. Both the items are most important for protection, and it is not possible to test the operators frequently in a day. As it will compromise the protection at any time the ESD damage can occur.

The model WSM-01 is a precision instrument to continuously monitor and give the indications by a visual & audible alarm to the operator of the ESD work surface grounding connections and operator's wrist straps connections simultaneously. It does what which wrist strap & foot wear tester, surface resistivity meter, Common Point Ground & earth bonding plug cannot do (i.e., continuous monitoring).



**WRIST STRAP:** This section continuously monitors the wrist strap to detect loss of continuity between operator and monitor. Conditions such as broken coils cords and improper contact with the skin are detected instantly to alert the operator. As there is no resistance return path from the wrist strap, it uses the "capacitive AC pulse principle" to check if the operator is adequately grounded.

**WORK SURFACE / GND:** This section continuously monitors the work surface button to button resistance value, instrument to ground and work surface to ground connections simultaneously. This is monitored by a DC Resistive principle and a MAT/GND FAIL warning is given to the operator.

**SPECIFICATIONS:**

- 1. Wrist strap indications : Pass – Green LED  
Fail – Flashing Red LED
- 2. Mat/Gnd indications : Fail - Steady Red LED  
(Audible alarm For Fail modes)
- 3. Range : 10 Meg ohms
- 4. Accuracy : +/-10%
- 5. Input power : DC 12V @ 500mA
- 6. Construction : MS powder coated box with mounting brackets
- 7. Calibration : Recommended every 12 months
- 8. Traceability : To National Standards
- 9. Dimensions : 100 (L) x 60 (W) x 30 (H) mm
- 10. Weight : 200 gms
- 11. Warranty : One year
- 12. Accessories : Fixing clamp
- 12. Optional : 12V DC Adopter & Grounding Cords.

Users manual  
**WORKSTATION MONITOR**  
Model: WSM-01 / (For One Operator)

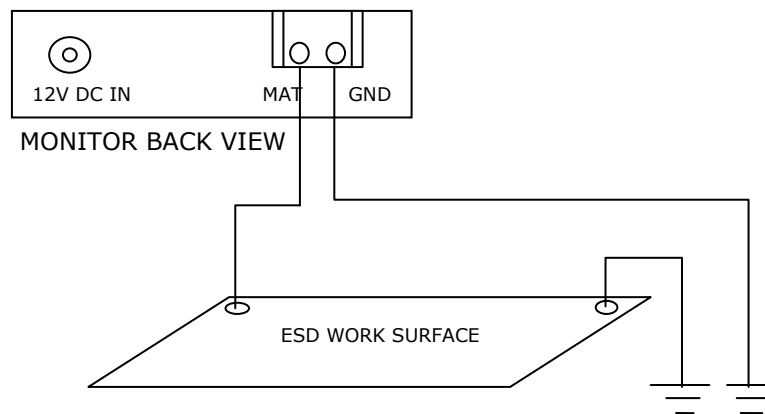
In the electronics semiconductor industry ESD protected tables are used, which mainly consist of ESD mats or ESD laminates, and operators wear personnel groundings devices of ESD wrist straps. Both the items are most important for protection, and it is not possible to test the operators frequently in a day. As it will compromise the protection at any time the ESD damage can occur.

The model WSM-01 is a precision instrument to continuously monitor and give the indications by a visual & audible alarm to the operator of the ESD work surface grounding connections and operator's wrist straps connections simultaneously. It does what which wrist strap & foot wear tester, surface resistivity meter, common ground point & earth bonding plug cannot do (i.e., continuous monitoring).

**WRIST STRAP:** The Wrist Strap section automatically activated when it is plugged in. It is continuously monitor the wrist strap to detect loss of continuity between operator and monitor. Conditions such as broken coils cords and improper contact with the skin are detected instantly to alert the operator. As there is no resistance return path from the wrist strap, it uses the "capacitive AC pulse principle" to check if the operator is adequately grounded.

**WORK SURFACE / GND:** This section continuously monitor the work surface button to button resistance value, instrument to ground and work surface to ground connections simultaneously. This is monitored by a DC Resistive principle and a MAT/GND FAIL Led warning is given to the operator.

**WORKSTATION MONITOR CONNECTION DIAGRAM:**



**SPECIFICATIONS:**

- |                            |   |
|----------------------------|---|
| 1. Wrist strap indications | : Pass – Green LED<br>Fail – Flashing Red LED             |
| 2. Mat/Gnd indications     | : Fail - Steady Red LED<br>(Audible alarm For Fail modes) |
| 3. Range                   | : 10 Meg ohms   |
| 4. Accuracy                | : +/-10%  |
| 5. Input power             | : DC 12V @ 500mA  |
| 6. Construction            | : MS powder coated box with mounting brackets             |
| 7. Dimensions              | : 100 (L) x 60 (W) x 30 (H) mm                            |
| 8. Weight                  | : 200 gms   |
| 9. Warranty                | : One year  |
| 10. Optional               | : 12V Adopter & Grounding Cords.                          |

**MAINTENANCE:**

The Work station monitor is designed to be completely maintenance free. There are no parts inside which can be replaced by the user himself. In case of malfunction, kindly refer to manufacturer or his authorised personnel.