

# STATICO

Global Supplier of Static Control & Cleanroom Products

541 Taylor Way, #1, San Carlos, CA 94070 USA | www.statico.com  
Phone: (650) 592-4733 | Fax: (650) 508-0761 | Email: sales@statico.com

## Product Specifications for S2556 Two Wrist Straps/Mat Ground Monitoring System

### Description

The S2556 is a precise capacitance-base system for monitoring of two standard single-conductor wrist straps and ground connection of one static dissipative mat. The system constantly checks the integrity of wrist straps for internal built-in 1 Meg ohm current limiting safety resistor, skin contact, when worn, and continuity.



The System Kit Consists of:

- A. 1 Each, The Monitor (Model No. S2556). Size 4" x 2-1/2" x 1" (102mm x 64mm x 25mm)
- B. 1 Each, A 72" (1828mm) straight connecting cord (Monitor-To-Work Surface), with Mono-To-Banana Plug terminations.
- C. 2 Each Remote Boxes with 68" (1727mm) straight cord and Mono end termination.
- D. 1 Each, a 120V isolated Power Supply with 7' (2133mm) straight cord, 3-Prong-To-Mono end terminations & North America Plug Configurations\*.
- E. 1 Pair of 1"X2" (25mmx50mm) Hook & Loop Velcro, to mount the Monitor to the bench.
- F. 1 Each, An Alligator Clip.
- G. All packed in one box of 6-1/4" x 4" x 3" (159mm x 102mm x 76mm).

\* Power Supply with different required voltages & plug configurations for other counties are also available

### Specifications/Operations

1. Inspect the package to ensure all components, as listed under "F" above are in the box.
2. Mount the Monitor in a visible location on the bench.
3. Connect the Power Supply "D" to the Monitor "A", on the back of the Monitor marked Power.
4. Plug-In the Power Supply "D" to the power outlet.
5. Connect Mono plug of "B" to the back of Monitor "A", where is marked Bench System Ground.
6. Connect Eyelet (Ring) termination of "B" to the Ground Point on the work surface.
7. Make sure that the Mat (work surface) is properly grounded.
8. Connect Mono end terminations of each Remote Box (C) to the receptacles on the back of the Monitor (A), where marked as Wrist Strap 1 & Wrist Strap 2.
9. Insert banana plug of each wrist straps to the receptacles on the Remote Boxes "C".
10. Users to wear the wrist strap 1 & 2 properly and make sure that the inner layer of wrist straps making good contact with the wrist skin.
11. All 3 LEDs on the front panel of "A" marked as Operator 1; Bench System Ground; & Operator 2 should turn Green & Stop Beeping. Otherwise, go through step 1-10 & make sure all steps have been followed and checked. If either one of 3 LEDs on the Monitor did not turn Green, contact your supervisor.
12. Operator 1 & 2 Fail Test Range: > 6.5 meg ohm
13. Work surface (Mat) Fail Test Range: >6.8 Meg ohms.
14. The S2556 does not require adjustment, but periodical verification of its performance is recommended.
15. To test the proper functioning of the Monitor, use STATICO's Model No. MTB2, The Test Box for Periodical Verification of the S2556.