ESD Wrist Strap On-Line Monitor and Tester

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Description

The constant monitor provides worksurface monitoring. This system is fully automatic and activates when a wrist strap is plugged into the unit. A green light indicates connection and a red light indicates there is no connection (disconnected status). The unit is powered and grounded by the AC adapter.

The monitor meets the continuous monitor requirements of ANSI/ESD S20.20. "Typical test programs recommend that wrist straps that are used daily should be tested daily. However, if the products that are being produced are of such value that knowledge of a continuous, reliable ground is needed, and then continuous monitoring should be considered or even required." (ESD Handbook ESD TR20.20 Wrist Strap section 5.3.2.4.4 Test Frequency)

Features

- Compatible with single wire wrist straps
- Easy to use
- Easy to install
- Fully automatic

Specification Table

Monitor type	Impedence - single wire
Circuity	Solid state, surface mount
Alarm	Audible and visible (LED)
Alarm threshold	8 megohms
Power	120V AC, 230V AC
Adjustments	None required

Part Number Table

Description	Size	Part Number
ESD Wrist Strap On-line Monitor and Tester	1″ × 2.4″ × 2.3″	093-1010

*Additional notes: Each

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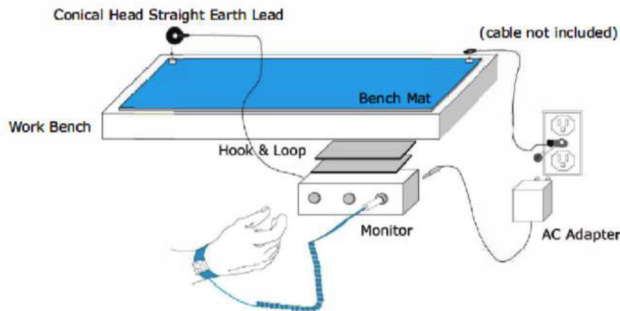Farnell.com/multicomp-pro
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Installation

1. Check that you have received all parts: monitor, power/ground adapter and two mounting screws.
2. Using the mounting screws, mount the monitor under the work bench.
   (Other suggested mounting locations include the bench top and under bench shelving.)
3. Plug the power/ground adapter into the back of the monitor and into a 3-prong outlet.

Operation

1. Place a wristband on your wrist and plug the coiled cord banana plug into the monitor's banana jack. The monitor will display a green light when a functional wrist strap with good skin contact is connected to the unit.
2. The unit will sound an alarm and display a red light if the wrist strap becomes defective or if the person is not in contact with the wristband.
3. Unplug the wrist strap coiled cord from the unit to stop the alarm.
4. Monitor will alarm if the continuity from the monitor to the mat to ground is lost.

Calibration

The monitor is calibrated to standards traceable to NIST. Frequency of re-calibratrion should be based on the critical nature of those ESD sensitive items handled and the risk of failure for the ESD protective equipment and materials.

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