

Specification for Capacitance Monitors

FEATURES

- Works with a standard wrist strap and cord and has a body mass adjustment for individual user set up:
- Constant monitoring of the earth to ground connection.
- Constant monitoring of the work mat to earth connection.
- Constant monitoring of the wrist strap connection.

UNDER BENCH MOUNT



Wrist straps are still the first and best line of defence against ESD but they must always be tested to ensure that they are installed and working correctly.

Continuous monitors eliminate the possibility of a component being exposed to ESD during the time period that the wrist strap was not working properly.

CAPACITANCE MONITORS - HOW THEY WORK

Constant CAPACITANCE monitors make use of the fact that a person can be thought of as one plate of a capacitor with the other plate being ground. The ground and the person are both conductors and they are separated (sometimes) by an insulator (shoes, mats, carpet, etc.) thus forming a capacitor. The combined resistance of the wrist strap and person forms a resistor so that the total circuit is a simple RC circuit.

A tiny AC current applied to this circuit will cause a displacement current in the capacitance flow to ground providing a simple way to make sure the person (capacitor) resistor (wrist strap) and coil-cord are all hooked up. Any break in this circuit results in a higher impedance that can be used to trigger an alarm.

Features:

Works with a standard wrist strap and cord and has a body mass adjustment for individual user set up:

Constant monitoring of the earth to ground connection.

Constant monitoring of the work mat to earth connection.

Constant monitoring of the wrist strap connection.

V800-CM8300U Constant Capacitive Monitor - FOR UNDER BENCH MOUNTING

V800-CM8300 Capacitive Constant Monitor - FOR BENCH TOP MOUNTING

(ALSO AVAILABLE WITH EUROPEAN PLUG)

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