TRANSFORMING TECHNOLOGIES
OUTSTANDING ALTERNATIVES IN STATIC CONTROL

Ohm METRICS Constant Monitors

Model CM420 - Two Operator, ESD Bench



Ensure You Are Grounded by Constantly Verifying the Integrity ESD Work Station.

The CM420 constant monitor ensures ESD protection by continuously verifying the ground path of two wrist straps and one ESD work surface and alarms if there is a problem. Constant monitors eliminate the need to test wrist straps and reduce ESD damage from broken wrist straps that go unnoticed. The CM420 is compatible with most single wire wrist straps. The compact design fits nicely on the underside of bench tops.

Accuracy and reliability are improved with the design incorporated into our constant monitors. False alarms disappear and adjustments are not necessary. Powered and grounded by an AC adapter, the system is fully automatic and begins sensing when a coil cord is plugged into the unit. A green light indicates a safe connection and a red light and audible alarm communicate an unsafe connection.

Meets or exceeds requirements of ANSI ESD-S20.20 and the recommendations of ESD 4.1.

Features

- **Continuously Checks Two Wrist Straps and One ESD Work Surface**
- **Audible and Visual Alarms**
- **Compatible with Standard Single Wire Wrist Straps**
- **Easy To Use: Simply Plug In Wrist Strap**
- **Factory Calibrated; No Adjustments or Annual Recalibration**

Applications:

ESD constant monitors reduce production costs by eliminating the time spent on testing wrist straps. Further savings may be realized by reduced ESD damage from broken wrist straps.

Specifications:

Wrist open circuit voltage	0.7 VDC, +0.1VDC @ < 2mA	Verification Tool	CM420 PV
Mat open circuit voltage	5.0—7.5 VDC	Dimensions	1.00" H x 2.40" W x 2.30" D
Alarm indicators	Alarm/LED (green: safe, red: unsafe)	Weight	7.8 oz
Alarm set point :	6.5 megohm	Power Input	120VAC—60hz
Audible Alarm	10 beeps (max); 5 seconds	Power Output:	12VDC, 200mA
Monitoring capabilities	Two wrist strap/person/ Bench	Adjustment	No adjustments required

Part Numbers:

CM420	Single Wire Constant Monitor
CM420PV	Periodic Verification Unit
CM410GND	Ground Cable
CM410AD	AC Adapter

This document is prepared for our customers as a service, and is to the best of our knowledge true and accurate. However, it is understood and agreed by the users of this document that we will accept no liability for the conclusions reached. Users of this document may therefore wish to perform additional testing before determining that products mentioned are suitable.

3719 King Road
Toledo Ohio 43617
Phone: 419-841-9552
info@transforming-technologies.com

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