

Ohm METRICS Constant Monitors

Model CM410 - One Operator, ESD Bench

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

The CM410 constant monitor ensures ESD protection by continuously verifying the ground path of a wrist strap and 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 CM410 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.



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:

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|----------------------------|--------------------------------------|-------------------|-----------------------------|
| Wrist open circuit voltage | 0.7 VDC, +0.1VDC @ < 2mA | Verification Tool | CM410 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 | One wrist strap/person/ Bench | Adjustment | No adjustments required |

Part Numbers:

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| CM410 | Single Wire Constant Monitor |
| CM410PV | Periodic Verification Unit |
| CM410GND | Ground Cable |
| CM410AD | AC Adapter |



Features

- Continuously Checks One Wrist Strap 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

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