Ohm Metrics™
Continuous Workstation Monitors
Model CM400

Instruction Manual
CM400 Installation Diagrams

1) Mount monitor under bench area (use included screws or Velcro).

2) Plug in the AC power supply to monitor and grounded 110v to an outlet. (monitor grounded through AC Adapter)

3) Operator LED should be RED and alarm will sound 1 long beep.

4) With wrist strap worn correctly while plugged into monitor, LED will go from RED to GREEN when in use indicating grounding is functioning.
Operation

Monitoring begins when the coiled cord of the wrist strap is plugged into the monitor or remote jack. The status of a wrist strap resistance is indicated by a bicolor LED and audible Alarm:

**Stand-by indication.**
If the wrist strap is removed or not being worn but is still plugged into monitor, an audible alarm will sound for 4-6 seconds, and the “OP” (operator) led will be **will be blink RED**.

**Normal indication.**
For normal operating resistance “OPER” led will be **GREEN**.

**High alarm.**
If the operator wrist strap is plugged into the remote and resistance is higher than maximum, the “OPER” led will be **RED** and audible alarm will sound.

**Calibration and Verification**
The CM400 is factory calibrated and fixed. It does not require re-calibration. It is recommended to verify proper operation with the CM410PV verification unit available from Transforming Technologies.
Product Specifications

**Wrist strap open circuit voltage** 0.7 VDC, ±0.1VDC @ < 2mA

**Alarm indicators** Visual, audible

**Alarm set point** 38 to 87pF (human body); with 1 meg ohm wrist strap resistance

**Unit monitoring capabilities** One person

**Periodic Verification Units** CM410PV: NIST Calibrated Periodic verification tool for CM400

**Dimensions/Weight** 0.88” H x 1.75” W x 1.25” D (2.2 x 4.45 x 3.18 cm) 7.4 oz

**Mounting** Mounting materials included

**Power Supply** Input: 120VAC—60hz, Output: 12VDC, 200mA

**Audible Alarm** 10 beeps (max); 5 seconds

**Adjustment** No adjustments required

Service and Warranty

Transforming Technologies, LLC provides a limited warranty for the Model CM400, CM410 and CM420. All new products are guaranteed to be free from defects in material and workmanship for a period of one (1) year from the date of shipment. Liability is limited to servicing (after evaluating, repairing or replacing) any product returned to Transforming Technologies. The company does not warrant damage due to misuse, neglect, alteration or accident. In no event shall Transforming Technologies be liable for collateral or consequential damages. To receive service under warranty, please contact Transforming Technologies.