



TRANSFORMING TECHNOLOGIES

OUTSTANDING ALTERNATIVES IN STATIC CONTROL

Ohm Metrics™

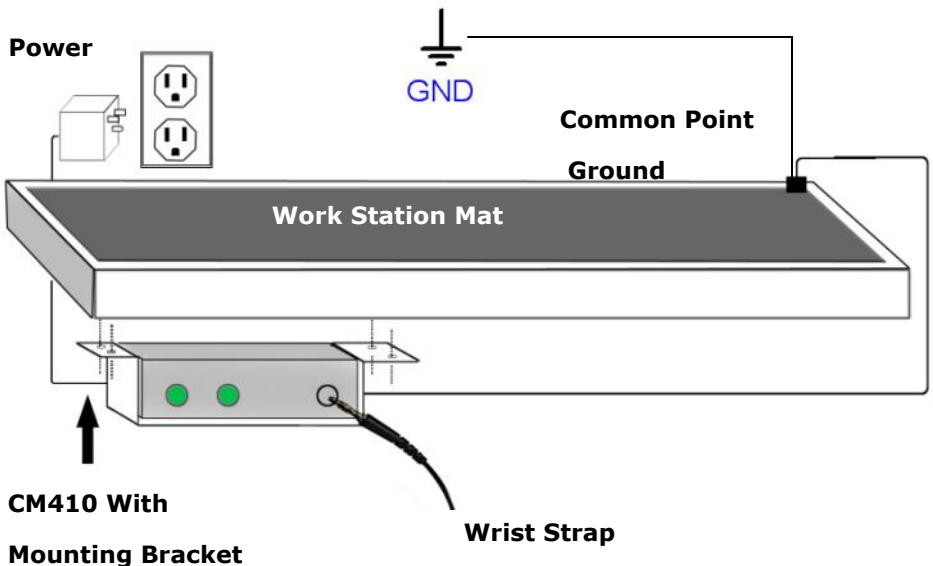
**Continuous Workstation Monitors
Model CM410**



Instruction Manual

CM410 Installation Diagrams

- 1) Mount monitor under bench area (use included screws or Velcro).
- 2) Attach the “Bench” cord (smaller plug) to the back of monitor and attach the banana plug into the common point ground.
- 3) Plug AC power supply to monitor and grounded 110v outlet (monitor grounded through AC Adapter). Bench light should be green.
- 4) Operator LED should be **RED** and alarm will sound 1 long beep.
- 5) 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 the 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”/”BENCH” led will be **GREEN**.

High alarm.

If the operator wrist strap or worksurface mat’s resistance is higher than maximum, the corresponding led will turn **RED** and audible alarm will sound.

Calibration and Verification

The CM410 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, $\pm 0.1\text{VDC}$ @ $< 2\text{mA}$
Alarm indicators	Visual, audible
Alarm set point	38 to 87pF (human body); with 1 meg ohm wrist strap resistance
Unit monitoring capabilities	One person and one mat
Periodic Verification Units	CM410PV: NIST Calibrated Periodic verification tool for CM410
Dimensions/Weight	1.00" H x 2.40" W x 2.40" D (2.54 x 6.10 x 5.84 cm) 7.80 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.



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