

Ohm Metrics CM1600 Dual Conductor Resistance Monitor

Dual Conductor Workstation Monitor

Transforming Technologies' Resistance Constant Monitor Series is the premiere work station grounding system available. A continuous pulse of an ultra-low voltage signal measures the electrical resistance of two wrist bands, two work surfaces, and two auxiliary grounds simultaneously.

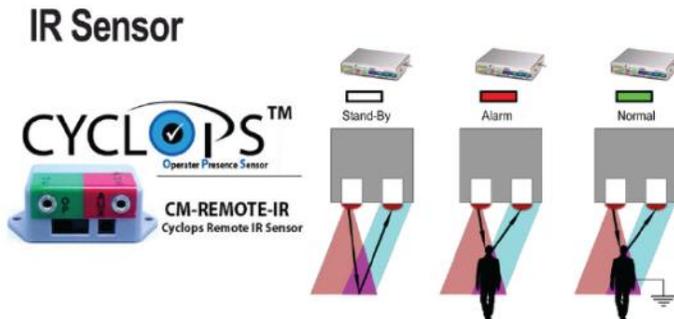
The CM1600 saves time by eliminating the time consuming testing of grounding products. The system uses special dual wire wrist band sets that contain two independent elements which provide fail-safe protection. The series includes both fabric and metal wrist bands paired with cords in either 5, 10, or 20 feet lengths.

The CM1600 is an extremely sensitive and reliable ground monitoring instrument. Audible and visible alarms are triggered if the operator's resistance exceeds 35 megohm (factory default). Low resistance can also triggers an alarm event. Mat alarm limits are set at 100 meg ohm. The CM1600 packaged in a stainless steel case with remote jacks.

Meets or exceeds requirements of ANSI ESD-S20.20 and ESDA Standard 1.1-2006



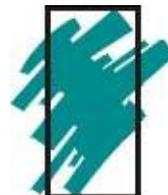
Model CM1600 Dual Conductor Workstation Monitor



Compatible with the Cyclops™ Remote Sensor

Each monitor uses a Dual Conductor wrist strap and coil cord, WB5000, WB7000, WB2595P, WB2850 from Transforming Technologies, although other compatible wrist strap sets may be substituted. Dual conductor wrist straps enable efficient, accurate resistance monitoring and grounding redundancy.

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.



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Outstanding Alternatives in Static Control

Ohm Metrics Resistance Monitor

Product Specifications

Dimensions: 4" W x 3" D x 1" H (10.16 x 7.62 x 2.54 cm)

Weight: 6.8oz

Unit monitoring capabilities

CM1600 2 wrist straps/persons + 2 mats

Performance Specifications

Wrist Strap Low Resistance Alarm Limit: 1.8 megohm.

Wrist Strap High Resistance Alarm Limit: 35 meg ohm.

Mat (soft ground) Resistance Alarm Limit: 100 meg ohm.

Typical Operator Voltage at 10M:

Imposed Voltage on Body: max 0.1V (100mV) at standard version; can be preset at factory to max 0.025V (25mV) or max 0.8V (800mV) per customer request

Max Mat Voltage (open circuit): 0.2V (200mV)

Max Mat Voltage (alarm at 100M): 0.15V (150mV)

Max Tool Voltage (open circuit): 0.01V (10mV)

Max Tool Voltage (alarm at 10 Ohm): 0.4mV

Communication: Built-in RJ-485 IN and OUT communication ports to support drop-line internetworking.

DC Power Supply: 7-15 VDC, 100mA.

AC Input: 100-240 VAC, 1A.

Temperature limits: 50° F (10°C) to 122° F (50°C)

Adjustments: No serviceable components; see periodic verification tools

Unit Accessories

CM-Cable	RJ-485 communication Cable
FM1515	Work Surface Ground Cable
FM1515CM	Monitor Ground Cable
FM1515NR	Monitor To Work Surface Cable

About Transforming Technologies

Transforming Technologies offers a wide range of unique and outstanding products to detect, protect, eliminate and monitor electrostatic charges. Our products are integral components of an effective static control program.

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