

A2CM2 Dual Wire Continuous Resistance Monitor



The Ohm Metrics A2CM dual conductor workstation monitor continuously checks two (2) operators and two (2) worksurface ground connections. The unit has a normal voltage of 200mV when wearing a wrist strap and 900mV is the maximum (open wrist strap condition). The A2CM2 packaged in a stainless steel case with remote jacks.

Utilizing very precise, low-voltage, resistive loop technology, the A2CM2 is an extremely sensitive and Reliable ground monitoring instrument that uses the operator's skin resistance to determine if the system is operating properly. Audible and visible alarms are triggered if the operator's resistance exceeds 10 or 35 megohm (selectable at factory with default of 35 megohm). Low resistance also triggers an alarm event. Each monitor uses the AWB2500 series dual wire wrist strap and coil cord although other compatible wrist strap sets may be substituted. Dual conductor wrist straps enable efficient, accurate resistance monitoring and grounding redundancy.



Series 2500 dual conductor wrist straps and cords are compatible with the A2CM2.



Remote jacks provided with the A2CM2 also include a visitor connection point which is grounded, but not monitored.



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Product Specifications

Performance Specifications	
Dimensions (W x D x H)	4" x 3" x 1" (10.16 x 7.62 x 2.54 cm)
Weight	6.8oz
Power Supply	120VAC—60hz, 9-15 Volts DC, 100-600 mA, 2.1mm center positive output
Unit monitoring capabilities	
A2CM2	2 wrist straps/persons + 2 mats
A2CM2PV	Periodic verification tool for A2CM2
Performance Specifications	
Maximum operator voltage (alarm condition)	900mV
Typical operator voltage	< 200mV
Maximum GND current	1.25V
Maximum GND voltage (alarm condition)	< 900mV
Maximum GND voltage (open circuit condition)	100µA
Maximum GND voltage (alarm condition)	1mV
Maximum GND voltage (open circuit condition)	50mV
Alarm Limits	
Wrist strap high limit	35 megohm
Wrist strap low limit	1.8 megohm
GND (tool) high limit	3.5 megohm
GND (tool) high limit	10Ω
Temperature limits	
	Environmental Operating Conditions 50° F (10°C) to 122° F (50°C)
Adjustments	No field serviceable components; see periodic verification tools



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