

Single Wire Wrist Strap Constant Ground Monitors



ACM2

Single Wire Constant Ground Monitors

Continuously verifying the integrity of the ground system is critical to an effective ESD protection program. Using specialized impedance sensing technology, the ACM0, ACM1 and ACM2 single wire monitoring products continuously check the total ground loop, including the operator, the wrist band and the coil cord. The systems are compatible with most wrist straps.



ACM1

Reliable, Repeatable Results

Accuracy and reliability are improved with the impedance technology 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.

Continuous Monitors pay for themselves

ESD-S1.1 notes that it is not necessary to test wrist straps daily when using constant monitoring systems. Higher value-added products especially benefit from the certainty of continuous monitoring. The ACM0, ACM1 and ACM2 are perfect solutions for assuring workstation grounding protection.



ACM0



BOKAR International
10 Enterprise Drive
Carbondale, PA 18407, USA

Tel: (570) 842-2812, Fax: (570) 842-4290, E-mail: bokar@bomir.com

www.bokar.com www.SMT-tool.com www.ESDmeters.com www.ESDpackaging.com
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Product Specifications

Performance Specifications	
Wrist strap open circuit voltage	0.7 VDC, +0.1VDC @ < 2mA
Mat open circuit voltage	5.0—7.5 VDC
Alarm indicators	Visual, audible (green: safe, red: unsafe)
Alarm set point	
Wrist strap	38 to 87pF (human body); with 1 megohm wrist strap resistance
Mat	6.5 megohm
Unit monitoring capabilities	
ACM0	One wrist strap/person
ACM1	One wrist strap + mat
ACM2	Two wrist straps + mat
ATM-9201, ATM-9202, ATM-9203	Periodic verification tools for units
Dimensions (HxWxD) / Weight	
ACM0	0.88" x 1.75" x 1.25" (2.24 x 4.45 x 3.18 cm) / 7.4 oz (210 g)
ACM1	1.00" x 2.40" x 2.30" (2.54 x 6.10 x 5.84 cm) / 7.8 oz (221 g)
ACM2	1.00" x 4.00" x 2.40" (2.54 x 10.16 x 6.10 cm) / 12.4 oz (352 g)
Mounting	Mounting materials included
Power Supply	
Input	120VAC—60hz
Output	12VDC, 200mA
Audible Alarm	10 beeps (max); 5 seconds
Adjustment	No adjustments required



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