

Guardian Constant Monitors

Real-Time Protection. All Shift Long.



OVERVIEW

The Guardian Constant Monitor Series provides continuous, real-time monitoring of wrist strap and work surface grounding paths throughout the entire work shift. Unlike periodic testers that verify compliance only at shift start, Guardian monitors alarm the instant a grounding path fails, protecting sensitive electronics from the moment an operator sits down to the moment they leave.

All three models maintain a common point ground connection even when powered off, ensuring operators and work surfaces remain connected to earth ground at all times. Available in three configurations to match your workstation setup, the Guardian series delivers the always-on protection required by ANSI/ESD S20.20 in demanding electronics manufacturing, aerospace, and cleanroom environments.

APPLICATIONS

- Electronics Manufacturing
- Cleanroom / Critical Environments
- Aerospace & Defense
- Healthcare & Medical Devices
- Data Centers & Server Facilities
- OEM & Industrial Assembly

COMPLIANCE & STANDARDS

ANSI/ESD S20.20 | REACH, RoHS, and Conflict Mineral compliant | CE | ISO

KEY FEATURES & BENEFITS

Continuous Protection

A wrist strap that passes a morning check can fail later due to a broken coil cord, dried skin contact, or a disconnected ground. Guardian monitors alarm the instant a fault occurs, closing the gap that periodic testers cannot cover.

Instant Visual and Audible Alarm

Green LED indicates a passing ground path. Any fault immediately switches the indicator to a flashing red LED with audible buzzer. No ambiguity, no missed failures.

Field-Adjustable Sensitivity

Factory-preset trigger impedance is adjustable via an internal calibration pot to match each operator's body characteristics. Different operator weight and height affect natural body impedance. Guardian monitors can be precisely tuned to eliminate false alarms without sacrificing protection.

Flexible Power and Mounting

Mounts on top of or under any workstation using enclosed screws, two-sided pressure sensitive tape, or Velcro hook and loop strips. The CM-1700 also supports 9V battery operation with a low-battery LED alert.

PRODUCT SPECIFICATIONS

	CM-1700	CM-1701	CM-1702
Channels	1	2	2
Operator Monitoring	1 wrist strap	1 wrist strap	2 wrist straps
Work Surface	N/A	Yes (table mat)	N/A
Power	9V battery or 9VDC adaptor	9VDC adaptor	9VDC adaptor
Trigger Impedance	5 MOhm (adjustable)	5 MOhm operator / 10 MOhm surface	5 MOhm per channel (adjustable)
Low Battery Alert	Yes	N/A	N/A

