

## 3M™ Ground Man and Ground Man Plus Ground Monitors for Tools

3M Ground Man Monitors allow users to continuously monitor up to three connection points on tools. The monitors indicate whether each individual ground connection being monitored is within specification or has failed. Ideal applications include SMT pick-and-place tools, IC handlers, wire bonders, die attach and other tools.

Ground impedance alarm levels can be set by the user to satisfy a broad range of requirements and compliance with standards such as ANSI 6.1 and ANSI/ESDA S20.20. Adding additional reliability, the host tool is provided a logic level signal to shut the tool down in case of ground failure. Miniature and unobtrusive, the Ground Man Monitors are easy to install and easy to connect.

Use 3M Ground Man Plus Monitor CTC334 to monitor all important ground connections in the tool and an operator. This monitor adds wrist strap monitoring to allow only properly grounded operators to work with the sensitive devices.

### Features

- ANSI/ESDA S20.20 compliant.
- Adjustable threshold alarm from 1–20 ohm.
- Logic signal out to the host tool.
- Complete tool coverage.

Product No.	Description
CTC333	Ground Man Monitor
CTC334	Ground Man Plus Monitor



## Product Referral Generator

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3M™ Ground Man Monitor



3M™ Ground Man Plus Monitor

