USES:

- Production Testing of Instruments and Appliances
- Testing of Information Technology Equipment, Medical Instrumentation, and other Electrical Products with 3-prong Power Cords
- Electrical Safety Testing of Motors, Generators, and Transformers
- Low Resistance Testing of Electrical Connections

FEATURES:

- Programmable Output Current from 3A to 45A AC
- Programmable Source Voltage from 1.0V to 8V rms
- Resistance Measurements from 0.1mΩ to 510mΩ
- Programmable High & Low Limits
- Programmable Test Time
- Storage of 99 Tests Setups with Multiple Steps per Measurement
- Standard Remote I/O Interface
- Optional RS232, IEEE and Printer Interfaces
- Graphic LCD
- Front Panel Lockout
- 4-Terminal Kelvin Connection
- Built-in Calibration Software
- Compatible with Guardian & Sentry Series Hipot Testers

Guardian 1050 Ground Bond Tester High Current Testing To 45 Amps

Introduction

The Guardian 1050 Ground Bond Tester provides up to 45A for high current testing to even the most stringent standards. The front panel of the Guardian instrument includes a digital display and user friendly control allowing test parameters and limits to be set easily without the high current activated.

Description

Wide Test Current Range: User programmable output current from 3A to 45A AC provides extensive coverage for testing to UL, CSA, VDE, IEC and other agency safety requirements.

Programmable Source Voltage: Limit the voltage to the DUT using the programmable source voltage from 1.0V to 8.0V rms and meet the low voltage requirement of CSA 22.2 No. 0.4 Bonding and Grounding of Electrical Equipment (4V, 30A, $100m\Omega$ limit, 2-minute test) plus many others.

Programmable High and Low Resistance Limits: A resistance measurement range from $0.1m\Omega$ to $510m\Omega$, in conjunction with user-programmable high and low resistance limits with Pass/Fail indication, make this tester ideal for production Go/NoGo testing.

Remote Control: Incorporate the G1050 unit into an automated manufacturing environment with remote start, interlock and Pass/Fail results output through the rear panel PLC interface.

Optional Interfaces: The G1050 unit has optional RS232 and GPIB interfaces for PC connection in automated applications. The Printer interface allows for direct printout of test results.

Hipot Compatibility: The Guardian 1050 can be used alone or connected to the Guardian 1010, 1030 or 1030S Hipot Testers for complete product electrical safety testing with the push of one button. When the Guardian 1050 has completed a continuity test, with pass indication, it can remotely start the Guardian 1000 Series instrument for a hipot test in sequence.

Built-in Calibration via Software: Front panel display of an operator prompted calibration routine makes for no internal adjustments.



For more detailed information on specifications, pricing and special purchase, rent and lease options, contact us at:

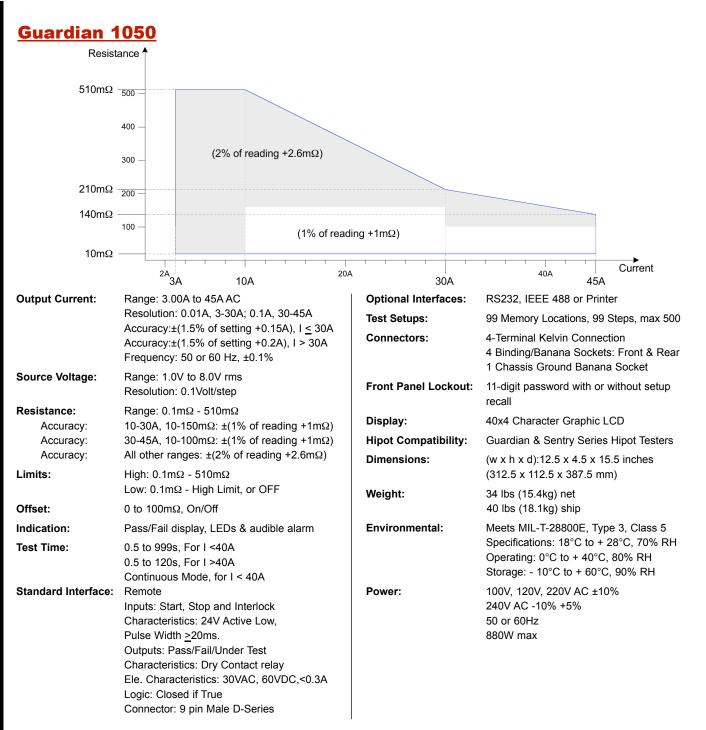
www.quadtech.com

800-253-1230

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Hipot Testers • LCR Meters • Cable Testers • AC/DC Programmable Power Sources • Megohmmeters • Milliohmmeters



Ordering Information

| (| Guardian 1 | 050 Ground Bond Tester | Optional Accessories: |
|---|---|---|--|
| | Includes: 150744 700070 G15 520107 520068 N/A | Instruction Manual Power Cable Ground Continuity Lead Set 10A 250V Fuse (1) 5A 250V Fuse (1) Calibration Certificate Traceable to NIST | Calibration DataS05Foot SwitchS15Interconnection Cable to G1000 SeriesG13Corded Product Adapter (115V)G15Ground Continuity Lead SetG16International Power StripG25Corded Product Adapter (240V)G36RS232 InterfaceG38Printer Interface (replaces IEEE)G39IEEE-488 Interface |

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