

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 30A AC
- Programmable Source Voltage from 1.0 to 8.0V rms
- Resistance Measurements from 0.1mΩ to 510mΩ
- Programmable High and Low Limits
- Programmable Test Time
- Storage of 99 Tests Setups with Multiple Steps per Measurement
- Remote I/O Interface
- Graphic LCD
- Front Panel Lockout
- 4-Terminal Kelvin Connection
- Built-in Calibration Software
- Compatible with Sentry & Guardian Series Hipot Testers

50 Plus Ground Bond Tester

High Current Testing To 30 Amps

Introduction

The Sentry 50 Plus Ground Bond Tester provides up to 30A for high current testing to even the most stringent standards. The front panel of the Sentry 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, 3A to 30A AC in 0.01A steps, 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 $510m\Omega$, plus user programmable high and low resistance limits with Pass/Fail indication, make this tester ideal for production Go/NoGo testing.

Remote Control: Incorporate the Sentry 50 Plus unit into an automated manufacturing environment with remote start and Go/NoGo results output through the rear panel PLC interface.

Hipot Compatibility: The Sentry 50 Plus can be used alone or connected to the Sentry Plus 10, 20 or 30 Hipot Testers for complete product electrical safety testing with the push of one button. When the Sentry 50 Plus has completed a continuity test, with pass indication, it can remotely start the Sentry Plus 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 specifications, visit www.quadtech.com

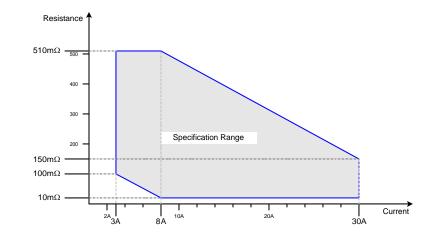
> For more information about special purchase, rent & lease options, call

1-800-253-1230 Fax 1-978-461-4295 Intl. 1-978-461-2100

CE



Sentry 50 Plus



Output Current:	Range: 3.00A to 30A AC Resolution: 0.01A, 3-30A Accuracy:±(1.5% of setting + 0.15A) Accuracy:±(1.5% of reading + 0.15A) Frequency: 50 or 60 Hz, ±0.1%	Test Setups: Connectors: Front Panel Lockout:	 99 Memory Locations, 99 Steps, max 500 4-Terminal Kelvin Connection 4 Binding/Banana Sockets: Front & Rear 1 Chassis Ground Banana Socket 11-digit password with or without setup
Source Voltage:	Range: 1.0V to 8.0V rms Resolution: 0.1Volt/step		recall
Resistance:	Range: $0.1m\Omega$ - $510m\Omega$ Accuracy: ± (2% of reading + 2.6m Ω)	Display: Hipot Compatibility:	40x4 Character Graphic LCD Sentry & Guardian Series Hipot Testers
Limits:	High: 0.1mΩ - 510mΩ Low: 0.1mΩ - High Limit, or OFF	Dimensions:	(w x h x d):12.5 x 4.5 x 15.5 inches (312.5 x 112.5 x 387.5 mm)
Offset: Indication:	0 to 100m Ω , user selectable Pass/Fail display, LEDs & audible alarm	Weight:	34 lbs (15.4kg) net, 40 lbs (18.1kg) ship
Test Time:	0.5 to 999s Continuous Mode	Environmental:	Meets MIL-T-28800E, Type 3, Class 5 Specifications: 18°C to + 28°C, 70% RH Operating: 0°C to + 40°C, 80% RH Storage: - 10°C to + 60°C, 90% RH
Standard Interface:	Remote Inputs: Start, Stop and Interlock Characteristics: 24V Active Low, Pulse Width ≥20ms. Outputs: Pass/Fail/Under Test Characteristics: Dry Contact relay Elec Characteristics: 30VAC/60VDC,<0.3A Logic: Closed if True Connector: 9 pin Male D-Series		
		Power:	100V, 120V, 220V AC ±10% 240V AC -10% +5% 50 or 60Hz 880W max

Ordering Information

Sentry 50 Plus Ground Bond Tester	Optional Accessories:	
Includes:150743Instruction Manual700070Power CableG15Ground Continuity Lead Set52010710A 250V Fuse (1)5200685A 250V Fuse (1)N/ACalibration Certificate Traceable to NIST	Calibration Data S05 Foot Switch S15 Interconnection Cable to SPlus Series G13 Corded Product Adapter(115V) G15 Ground Continuity Lead Set G16 International Power Strip G25 Corded Product Adapter (240V)	

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