

Ground Bond Tester

MODEL 19572

Key Features :

- TUV approved
- CE certified
- High current ground continuity testing up to 45Amps
- Resistance measurements from 0.1mΩ up to 45Amps
- Large LCD display (240 x 64dot matrix) Can supply great view of test result and setting functions
- Programmable high and low resistance limits
- Adjustable test time from 0.5 to 999 seconds or continue
- Built-in calibration via software
- Automatic offset of lead resistance
- Built-in resistance compensation function
- Compatible with the 19070 series Hi-pot Tester
- Digital readout of current, resistance and test time
- Front panel lockout
- Remote control
- 10 steps or 99 groups for total 500 memory locations
- Beeper on/off
- Easy to use



GROUND BOND TESTER MODEL 19572

The Chroma 19572 provides high current testing of ground continuity between chassis and power cord ground on a wide variety of electrical products and appliances. The unit is designed for maximum flexibility and operation convenience in mind.

The simple front panel of the tester requires less effort to operate. The Digital display and user friendly control allow test parameters and limits to be set easily without activating the high voltage. The instrument can be put on line rapidly. It can provide operators useful measurements with little to no training.

The use of a high current AC test provides a better simulation of how the ground on the device would perform under actual conditions if the motor or wiring was too short to ground. This verifies that the grounds in the device can handle 30 or 40 Amps until a circuit breaker trips or fuse blows. Most European standards such as TUV, CE, VDE, UL and CSA recommend this type of testing. In contrast, the ground continuity test that is provided as part of most hipot testers just checks to make sure there is a connection.

High and Low Resistance Limits

The 19572 offers a resistance measurement range from 0.1 to 510mΩ. The high and low resistance limits with pass/fail indication are also user programmable.

Remote Control

The 19572 can be incorporated into an automated manufacturing environment with remote start and GO/NOGO results output through the rear panel PLC interface.

The 19070 Series Hipot Tester Compatibility

The 19572 can be used alone or connected to Chroma 19070 Series for complete product test with the push of one button. When the 19572 has completed a continuity test, with pass indicated, it can remotely start the 19070 Series for a hi-pot test in sequence.

Built-In Calibration Via Software

The front panel display of an operation promoted calibration routine requires no internal adjustments.

Model 19572



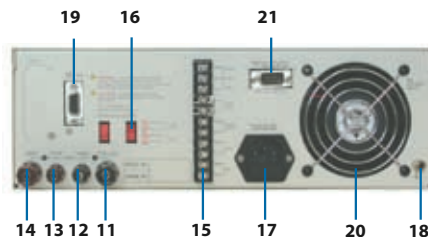
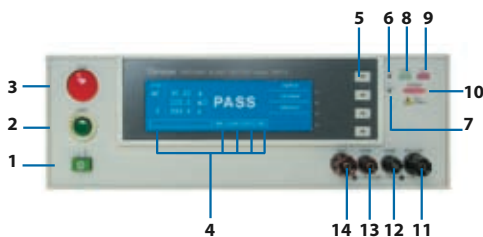
Chroma

SPECIFICATIONS

Model	19572
Model	Ground Bond
Grounding Resistance Test	
Output Current	AC : 3~45A
Load Regulation	1 % + 0.3 A
Resolution	3~30A 0.01A / 30.1~45A 0.1A
Current Accuracy	± (1.5% of setting + 0.5% of full scale)
Output Frequency	50Hz / 60Hz
Resistance Range	0.1 ~ 510 mΩ
Resistance Resolution	(R display counts/ I display counts) ≥ 0.2, Resolution : 1mΩ (R display counts/ I display counts) < 0.2, Resolution : 0.1mΩ
Resistance Accuracy	± (2% of reading + 0.5% of full scale)
Offset	<ul style="list-style-type: none"> ■ A predetermined value can be subtracted from the measured value and the result of subtraction can be display ■ The result of subtraction can be compared with a Good/NO Good judgment reference value, and the result of comparison can be use for the Good/NO Good judgment
Offset Range	0~100.0mΩ
Test Time	0.5 ~ 999.0 sec., continue
Waveform	Sine wave
GO/NG Judgment	<ul style="list-style-type: none"> ■ A no-good judgment is made when a resistance greater than the high limit value is detected. ■ A no-good judgment is made when the output current is cutout and a no-good Alarm signal is delivered. ■ If no abnormal state is detected during the test time, a good judgment is made and a good signal is deliver.
Limit	HI-LIMIT : 0.1 ~ 510.0mΩ LOW-LIMIT : OFF, 0.1mΩ ~ HI- LIMIT Value 510.0mΩ MAX.
General	
Operation Environment	0 to 40°C (32 to 104°F), ≤ 80% RH.
Power Consumption	No load : < 100VA, With rated load : 880W MAX.
Power Requirement	AC 100V, 120V, 220V-10%, 240V-10% ~ +5%
Weight	< 16 kg.
Dimension(W x H x D)	320 x 105 x 400 mm

All specifications are subject to change without notice

PANEL DESCRIPTION



- | | |
|---------------------------|----------------------------------|
| 1. Line Switch | 11. Drive (-) |
| 2. Start Key | 12. Sense (-) |
| 3. Stop Key | 13. Sense (+) |
| 4. Status List | 14. Drive (+) |
| 5. Function Keys | 15. Remote I/O |
| 6. Cal Enable | 16. Line Voltage Selector |
| 7. Update Enable | 17. Power Cord Receptacle |
| 8. Pass indicator | 18. RTN/LOW |
| 9. Fail indicator | 19. RS-232 Interface |
| 10. Test indicator | 20. Fan |
| | 21. Remote interface |

APPLICATION

- Verifying integrity of ground connection on appliances and instruments which use 3 prong power cord
- Tests for chassis to ground resistance
- Electric of medical applications
- Extensive coverage for the testing of UL, CSA, VDE, IEC and other agency safety requirement

ORDERING INFORMATION

- 19572** : Ground Bond Tester
- A190701** : Remote Control Box
- A195720** : GPIB Interface
- A190510** : PRINTER Interface

Developed and Manufactured by :

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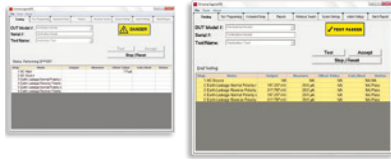
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OPTIONS AND ACCESSORIES

Chroma 19572 Guardian Ground Bond Tester

CaptivATE



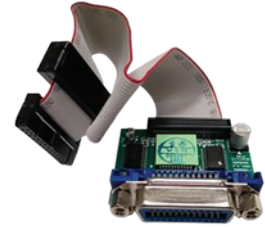
CaptivATE software 10545

This software provides complete computer control of your instruments. Enter test parameters, run tests, plus extract and store test results. Test results can be stored for future quality control and audit protection purposes.



Ground Bond Resistive Load Box S14-03

Load Boxes are used to verify instruments are passing and failing when they should be. Verification tests are commonly run at the beginning of each shift, day, or week depending on production requirements. This box is built with resistors of your choosing so don't have to change your test parameters. It comes with 4 resistors, GB Pass, GB Fail, Hipot Pass, and Hipot Fail.



GPIB Interface A195720

Optional PC communication interface that may be preferable over the standard RS-232.



19" Rack Mount Kit A190517

For putting a hipot into a rack cabinet. Ask us about our Hardware Integration.



Remote Test Box A190701

Allows you to remotely run your tests to keep operators away from the front panel output.



Remote Foot Switch A190704

Allows you to initiate a test remotely to keep operators away from the front panel output.



Interconnect Cable Set S15

Used to interconnect the 19572 to one of our Hipots so testing can be run together.



GB test cable set G15, G15-04, G15-03

3 ft. (G15) cables come standard with the purchase of a 19572. Also available in 10 ft. (G15-04) and 25 ft. (G15-03).



Magnetic GB Test Cable W38 003460

An alternative test lead option that may be desired based on your application. It is about 3 feet long.

OPTIONS AND ACCESSORIES

Chroma 19572 Guardian Ground Bond Tester



Probe-touch GB Test Cable W38 003470

An alternative test lead option that may be desired based on your application. It is about 3 feet long.



Barcode Scanner A190317

Standard USB barcode scanner that can be used for scanning product model numbers and serial numbers. Can be used with our CaptivATE software, which serializes test data.



RS-232 to USB convertor 7887

This adapter will connect the instrument's RS-232 interface to a USB port on your PC.



USA Power Cord: 6 feet W12 010130

Standard 120V USA power cord that is terminated with 3 prongs. This will plug your Hipot into a standard USA wall outlet. This comes standard with the purchase of a 19572.



Calibration Options

A standard NIST traceable calibration certificate comes included with purchase of a 19572. Calibration before and after data, Z-540, and ISO 17025 accredited calibration options are available for an additional cost.



Extended Warranties

Extended Warranties are available. Please ask us for details.

Interested in racking a Hipot?

Our Hardware Integration team can take Chroma equipment, any other instruments, and integrate them into a test cabinet that fits your needs.

High Voltage Safety Enclosures

