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 to 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.

RS-232 GPIB CE

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

Model 19572

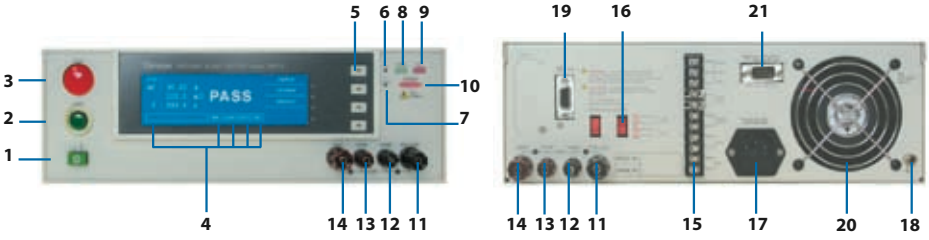
Chroma

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	■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	■ 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 40ºC (32 to 104ºF), ≦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
2. Start Key
3. Stop Key
4. Status List
5. Function Keys
6. Cal Enable
7. Update Enable
8. Pass indicator
9. Fail indicator
10. Test indicator
11. Drive (-)
12. Sense (-)
13. Sense (+)
14. Drive (+)
15. Remote I/O
16. Line Voltage Selector
17. Power Cord Receptacle
18. RTN/LOW
19. RS-232 Interface
20. Fan
21. Remote interface

APPLICATION

- Verfying 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

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