



KEY FEATURES

- 3 in 1 Tester : AC, DC, IR
- Programmable output voltage to 5kV AC and 6kV DC
- Trip current programmable to 30mA AC and 10mA DC
- Insulation resistance to 50GΩ/1000V DC
- Built-in 8 channel SCANNER (19053 only)
- Built-in 4 channel SCANNER (19054 only)
- Open/Short Check (OSC)
- Ground Fault Interrupt (GFI)
- ARC detection (Flashover)
- Storage of 50 Tests Setups with 100 Steps per setup



- Optional transformer test fixture (19053 only)
- Standard RS-232 Interface
- Optional GPIB Interface

The Chroma Hipot Tester 19050 series provide 3 models for choice. The 19052 for AC/DC/IR Hipot testing and insulation resistance (IR) measurements, the 19053 which combines both AC and DC Hipot tests and IR measurements with 8HV scan channel capability into a single compact unit, and the 19054 which combines both AC and DC Hipot tests and IR measurements with 4HV scan channel capability into a single compact unit. The front panels of the testers make them easy to operate. Digital display and user friendly control allows test parameters and limits to be set easily without the high voltage activating.

ORDERING INFORMATION

- 19052** : Hipot Tester (AC/DC/IR)
- 19053** : Hipot Tester (AC/DC/IR/8CH SCAN)
- 19054** : Hipot Tester (AC/DC/IR/4CH SCAN)
- A190512** : Auto Control TR. Scan Box (3002B)
- A190508** : GPIB Interface
- A190517** : 19" Rack Mounting Kit for Model 19050 Series
- A190702** : 40kV HV Test Probe
- A190704** : Start Switch
- A190708** : ARC Verification Fixture
- A190344** : HV Gun



A190512 : Auto Control TR. Scan Box (3002B)

SPECIFICATIONS

Model	19052	19053	19054
Mode	ACV/DCV/IR	ACV/DCV/IR/SCAN	
Withstanding Voltage Test			
Output Voltage	AC : 0.05 ~ 5kV, DC : 0.05 ~ 6kV		
Load Regulation	1% + 5V		
Voltage Resolution	2V		
Voltage Accuracy	±(1% of reading+0.1% of full scale)		
Cutoff Current	AC : 30mA, DC : 10mA		
Current Resolution	AC : 1μA, DC : 0.1μA		
Current Accuracy	±(1% of reading+0.2% of range)		
Current Frequency	50Hz/ 60Hz		
Test Time	0.3 ~ 999 sec, continue		
Ramp up Time	0.1 ~ 999sec, off		
Waveform	Sine wave		
Insulation Resistance Test			
Output Voltage	DC : 0.05 ~ 1kV	DC : 0.05 ~ 1kV	
Voltage Resolution	2V	2V	
Voltage Accuracy	1.5% + 5V	1.5% + 5V	
IR Range	1MΩ ~ 50 GΩ	1MΩ ~ 10 GΩ	
Resistance Resolution	0.1MΩ	0.1MΩ	
Resistance Accuracy	≥ 500V : 1MΩ~2.5GΩ : ±(5% of reading + 2% of full scale) 2.2GΩ~50GΩ : ±(15% of reading + 1% of full scale) ≥ 500V : 0.1MΩ~250MΩ : ±(10% of reading + 2% of full scale) 0.22GΩ~50GΩ : ±(15% of reading + 1% of full scale)		
Scanner Unit	--	8 ports, ±phase	4 ports, ±phase
ARC Detection (Flashover)			
Setting Mode	Programmable setting		
Detection Current	AC : 1mA ~ 15mA, DC : 1mA ~ 10mA		
Secure Protection Function			
Fast Output Cut-Off	0.4 ms after NG happen		
Fast DC discharge	0.2 sec		
Ground Fault Interrupt (GFI)	0.5mA ± 0.25mA AC, Close		
Panel Operation Lock	Present password		
Continuity Check	1Ω ± 0.2Ω, Off		
GO/NG Judgment Window			
Indication, Alarm	GO: Short sound, Green LED; NG: Long sound, RED LED		
Data Hold	Least tests data memories		
Memory Storage	99 steps or 99 groups for total 500 memory locations		
Remote Connector			
Real Panel connector	Input : Start, Stop, Interlock (at 11 pin terminal block only) ; Output : Under test, Pass, Fail		
General			
Operation Environment	Temperature: 0°C ~ 40 °C, Humidity: ≤ 80 % RH		
Power Consumption	No load: <100 W, With rated load: ≤ 500 W max.		
Power Requirement	100V / 120V / 220V(AC ± 10%) / 240V(AC + 5% ~ -10%), 50 / 60 Hz		
Dimension (H x W x D)	105 x 320 x 400 mm / 4.13 x 12.6 x 15.75 inch		
Weight	15 kg / 33.4 lbs	15.4 kg / 33.92 lbs	16.5 kg / 36.34 lbs
Certification	UL, TUV, CE	CE	UL, TUV, CE

All specifications are subject to change without notice.

Photovoltaic Test Equipment
 Semiconductor/IC Test Equipment
 LED Test Equipment
 LCD/LCM Test Equipment
 Video & Color Test Equipment
 Optical Inspection Equipment
 Power Electronics Test Equipment
 Passive Component Test Instruments
 Electrical Safety Test Instruments
 General Purpose Test Instruments
 PXI Instruments & Systems