

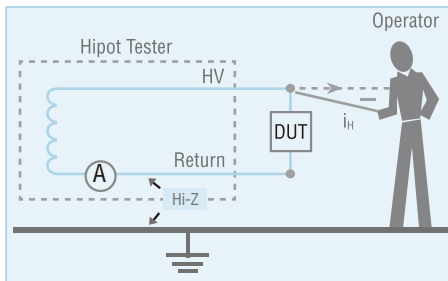


KEY FEATURES - A190308

- Plug in to 19032 for Hipot, Line Leakage Auto Scan
- Five Different Kinds Human Body RC Network
- Four measurements mode : Normal, Reverse, Single Fault Normal, Single Fault Reverse
- Up to 20A Line Input Current Capability
- Build in A/D and Calibration Data Memory Easy to Install
- Multiple Display Mode Voltage-LC, Amp-LC, VA-LC
- Earth LC, Enclosure LC, Patient LC and Patient Auxiliary LC Test

The 19032/19032-P are 5 in 1 Production Safety Analyzer. It can perform AC/DC Hipot, insulation resistance, grounding resistance and dynamic leakage current 5 safety test functions for electronic products. The dynamic leakage current scan device (A190305/A190307) can be connected externally or built in to 19032 Series. It is capable of measuring the complicate safety requirements with easy installation and operation, and is the finest auto safety tester to increase production test efficiency.

Model 19032/19032-P have Twin-Port™ and OSC function to minimize the test time greatly; along with the super large screen display and intelligent operation mode, 19032 is the most powerful single unit for auto safety tester.



Floating output

ORDERING INFORMATION

- 19032-P** : Electrical Safety Analyzer 500VA
- 19032** : Electrical Safety Analyzer
- A190301** : 8HV Scanning Box
- A190302** : 5HV/3GC Scanner
- A190303** : 3HV/5GC Scanner
- A190304** : 8HV Scanner
- A190305** : Line Leakage Current Scanner (generally)
- A190306** : Hipot/Line Leakage/Probe Scanner (10A)
- A190307** : L-N Scanner & Leakage Current Scanner
- A190308** : Hipot/Line Leakage/Probe Scanner (20A)
- A190313** : 500VA Isolation Transformer
- A190314** : 1000VA Isolation Transformer
- A190316** : Dummy Load
- A190317** : Bar Code Scanner
- A190321** : GPIB Interface (19032)
- A190334** : Ground Bond 40A (19032)
- A190337** : Ground Bond 60A (19032)
- A190338** : 19001 EST Software
- A190343** : 19" Rack Mounting Kit (19032)
- A190344** : HV Gun
- A190349** : Universal Corded Product Adapter
- A190350** : HV/LC/LAC/DC Probe Scanner (20A)
- A190353** : 4HV/4GC Scanner
- A190355** : 19" Rack Mounting Kit (19032-P)
- A190356** : GPIB Interface (19032-P)
- A190708** : ARC Verification Fixture



19032

INTERNAL SCANNER FUNCTION OF MODEL 19032/19032-P

Option		HIPOT		GB			LC					
No.	Name	Ports	Voltage Max.	Ports	Current Max.	Power output	Reading	LC probe	Earth LC	Touch LC	Patient LC	Patient Aux LC
A190301	9030A (Ext.)	8 ports	5KVVac 6KVdc	-	-	-	-	-	-	-	-	-
A190302	6000-01	5 ports		3 ports	30A	-	-	-	-	-	-	-
A190303	6000-02	3 ports		5 ports	30A	-	-	-	-	-	-	-
A190304	6000-03	8 ports		-	-	-	-	-	-	-	-	-
A190353	6000-11	4 ports		4 ports	40A *1	-	-	-	-	-	-	-
A190305	6000-04	L+N to E P to S		-	-	300V 10A	RMS	-	●	-	-	-
A190306	6000-05			-	-	300V 10A	RMS	P1&P2	●	●	●	●
A190308	6000-07			-	-	300V 20A	RMS	P1&P2	●	●	●	●
A190350	6000-08		-	-	300V 20A	RMS & Peak	P1&P2	●	●	●	●	

Note*1 : GB Max Current 40A for Model 19032-P, and 30A for Model 19032

SPECIFICATIONS

Model	19032	19032-P
Mode	AC/DC/IR/GB/LC	
Withstanding Voltage Test		
Output Voltage	DC : 0.05 ~ 6kV, AC : 0.05 ~ 5kV	
Load Regulation	± (1% of reading + 0.1% of range)	± (2% of reading + 0.1% of range)
Voltage Regulation	2V	
Voltage Accuracy	± (1% of reading + 0.1% of range)	± (2% of reading + 0.1% of range)
Cutoff Current	DC : 12mA, AC : 40mA	DC : 20mA, AC : 100mA
Current Resolution	0.1 μA DC ; 1 μA AC	
Current Accuracy	± (1% of reading + 0.1% of range)	± (1% of reading + 0.1% of range)
Output Frequency	50Hz / 60Hz	
Test Time	0.3 ~ 999 sec, continue	
Ramp Time	0.1 ~ 99.9 sec, Off	
Fall Time	0.1 ~ 99.9 sec, Off	
Waveform	Sine wave	
Insulation Resistance Test		
Output Voltage	DC : 0.05 ~ 1kV	
Voltage Resolution	2V	
Voltage Accuracy	± (2% of reading + 0.5% of range)	± (2% of reading + 0.5% of range)
IR Range	1M Ω ~ 50G Ω	
Resistance Resolution	0.1M Ω	
Resistance Accuracy	5% typical	
Ground Bond Test		
Output Current	AC : 1 ~ 30A	AC : 3 ~ 40A
Current Accuracy	± (1% of reading + 0.2% of range)	± (1% of reading + 0.2% of range)
GR Range	10m Ω ~ 510m Ω	
Resistance Resolution	0.1m Ω	
Resistance Accuracy	± (1% of reading + 0.1% of full scale)	± (1% of reading + 0.1% of full scale)
Test Method	4 wires	
Flashover Detection		
Setting Mode	Programmable setting	
Detection Current	AC : 20mA, DC : 10mA	
Secure Protection Function		
Ground Fault Interrupt	-	0.5mA ± 0.25mA AC
Floating Output to ground	-	<3mA, front output only (meet EN50191)
Panel Operation Lock	Present password	
Interlock	YES	
GO/NG Judgment Window		
Indication, Alarm	GO : Short sound, Green LED NG : Long sound, Red LED	
Data Hold	Least tests data memories	
Memory Storage	50 setups with up to 100 groups recall	
Interface		
Interface	9pin D-sub I/O control / RS-232 / GPIB (Optional)	
General		
Operation Environment	Temperature : 0°C ~ 40°C, Humidity : ± 80 % RH	
Power Consumption	No load : < 100 W With rated load : 800 W	No load : < 100W Rated load : 1000W Maximum load : 1200W
Power Requirements	90~132Vac or 198~264Vac, 47~66Hz	
Dimension (H x W x D)	133 x 430 x 474 mm / 5.24 x 16.93 x 18.66 inch	132.6 x 428 x 500 mm / 5.22 x 16.85 x 19.69 inch
Weight	25.5 kg / 56.17 lbs	
Certification	CE, UL, TÜV	

Option	6000-04 ~ 08*
Support Mode	AC/DC/IR/LC
DUT Input Power Capacity	AC : 300V / 10A / 20A max.
Short Protection	20A, 250V fuse for DUT shorted.
Measurement Mode	
Input Characteristic	DC ~ 1MHz Input Impedance : 1M//20pF
Measurement Mode	Normal, Reverse, Single Fault Normal, Single Fault Reverse
Measurement Devices (Five measure device)	UL 544 NP, UL 544 P, UL 1563, UL 60601-1, IEC60601-1, UL 3101-1, UL/IEC 60950, UL 1950-U1*, UL 2601-U1*, IEC60990
Probe Connection	Line to Ground, Line to P2, P1 to P2
HI-LO Limit	
LC HI-LO Limit	0 ~ 9.99mA, 1 μ A resolution
Current HI-LO Limit	0 ~ 19.99Amp*
VA HI-LO Limit	0 ~ 4400VA
VA Resolution	0.1VA

*Different options have different specification

Photovoltaic
Test Equipment

Semiconductor/IC
Test Equipment

LED
Test Equipment

LOD/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