

# Safety Tester / Hipot Tester SME1130



## Features

- High Voltage : AC 10kV, DC 12kV
- Breakdown voltage test AC can reach 10kV, DC can reach 12kV, Component voltage stepping (10V) and Normal stepping (divided according to test step)
- ARC detection function
- OSC check function
- One-click screen capture function
- Rear panel output function for automatic test of production line
- Storage : 100 files, up to 50 steps per file
- Pin detection
- Insulation resistance can reach 50G

Technical Specifications		SME1130A	SME1130D	
Test Mode		AC/OSC	DC/IR	
Withstand voltage test				
Output voltage	AC	Voltage range	0.05–10.0kV	
		Voltage waveform	50/60Hz ±0.1% Sine wave	
		Output power	200VA(10.0kV 20mA)	
	DC	Voltage range	–	0.05–12.0kV
Output power		–	120VA (12.0kV 10mA)	
Load change rate		± (1% set value + 10V) (rated power)		
Voltage resolution		2V		
Voltage accuracy		± (1% set value + 0.1% full scale)		
Current test range	AC	Current range	0.001mA–20mA	
		Current resolution	0.001mA	
		Current accuracy	0.100mA–2.999mA ± (1.% reading + 0.5% full scale)	–
			3.00mA–20.00mA ± (1.5% reading + 0.5% full scale)	–
	DC	Current range	–	0.0001mA-10mA
		Current resolution	–	0.1µA
Current accuracy		–	± (1% reading + 0.5% full scale)	
Maximum short circuit current		40mA (AC test only)	–	
Fast discharge function		–	Automatic discharge after test (DCW)	
Insulation Resistance Test				
Output voltage		–	DC: 0.05–5.0kV	
Voltage resolution		–	2V	
Voltage accuracy		–	± (1% set value + 0.5% full scale)	
Resistance test range		–	0.1MΩ–50.0GΩ	

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Resistance test accuracy	Voltage $\geq$ 0.5kV	-	1M $\Omega$ -1G $\Omega$ $\pm$ (3% reading + 0.1% full scale)
		-	1G $\Omega$ -10G $\Omega$ $\pm$ (7% reading + 2% full scale)
		-	10G $\Omega$ -50G $\Omega$ $\pm$ (10% reading + 1% full scale)
	Voltage < 500V	-	0.1M $\Omega$ -10G $\Omega$ $\pm$ (5% reading + 2% full scale)
Arc Detection			
Program setting	AC	1.0mA-20.0mA	-
	DC	-	1.0mA-10.0mA
OSC open and short detection			
Sampling standard capacitance range		0.001-40nF	-
Open circuit judgment range		10%-100%	-
Short circuit judgment range		100%-500%	-
Time Setting			
Test time		0.3-999s, 0 means continuous test	
Rise time		0.1-999s, 0 means OFF	
Fall time		0.1-999s, 0 means OFF	
Waiting time		0.1-999s, 0 means OFF (DC withstand voltage only)	
Safety Protection Function			
Shock protection		0.5mA $\pm$ 0.25mA Optional : ON or OFF	
Panel operation protection		Key lock, password	
Alarm indication		PASS : short sound, green light ; FAIL : long sound, red light	
Storage and Interface			
Internal memory		100 files can be stored and 50 step can be edited in each file	
Interface		Standard : RS232, USB Device, USB Host, LAN, Handler	
		Optional : GPIB	
General Specification			
Display		7 inch 800 x 480 dots, TFT-LCD display	
Power Supply		100V-240VAC, 47Hz-63Hz	
Power Consumption		No load : < 100W Rated power : 300W	
Operating Condition		0°C - 45°C Humidity 20% - 90% RH	
Storage Condition		-10°C - 55°C, Humidity < 80% RH	
Parameter comparison temperature		18°C - 28°C Humidity 30% - 70% RH	
Dimensions		W : 430 x H : 132 x D : 500	
Weight		21 Kg.	
Standard Accessories		Mains Cord, High Voltage Test Leads (SMA90015, 90003R, 90003B), USB Cable, CD	

Subject to change



SMA90015



90003R



90003B



CD



USB Cable

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