

Safety Tester / Hipot Tester SME1130



Features

- Withstand voltage test: AC: 10kV/20mA/200VA
DC: 12kV/10mA/120VA
- Breakdown voltage test: AC: 0.05~10.0kV, resolution 10V
DC: 0.05~12kV, resolution 10V
- Insulation resistance test: 0.1MΩ~50.0GΩ
- ARC detection function
- Open and short circuit detection function OSC
- One-click screenshot function
- Rear panel output function facilitates automated testing of production lines
- Storage: 100 files, up to 50 steps per file
- Contact check function

Technical Specifications		SME1130	SME1130A	SME1130D	
Test Mode		AC/DC/IR/OSC	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	—	0.05 ~ 12.0kV
		Output Power	120VA (12.0kV/10mA)	—	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	—	0.0001mA ~ 10mA
		Current Resolution	0.0001mA ~ 10mA	—	0.1μA
		Current Accuracy	± (1% reading + 0.5% full scale)	—	± (1% reading + 0.5% full scale)
Maximum Short Circuit Current		40mA (AC test only)		—	
Fast Discharge Function		Automatic discharge after test (DCW)	—	Automatic discharge after test (DCW)	
Insulation Resistance Test					
Output Voltage		DC: 0.05 ~ 12.0kV	—	DC: 0.05 ~ 12.0kV	
Voltage Resolution		2V	—	2V	
Voltage Accuracy		± (1% set value + 0.5% full scale)	—	± (1% set value + 0.5% full scale)	
Resistance Test Range		0.1MΩ ~ 50.0GΩ		0.1MΩ ~ 50.0GΩ	

Technical Specifications		SME1130		SME1130A	SME1130D
Resistance Test Range		0.1MΩ ~ 50.0GΩ		-	0.1MΩ ~ 50.0GΩ
Resistance test accuracy	Voltage ≥ 0.5kV	1MΩ ~ 1GΩ ± (3% reading +0.1% full scale)	-		1MΩ ~ 1GΩ ± (3% reading +0.1% full scale)
		1GΩ ~ 10GΩ ± (3% reading + 0.1% full scale)	-		1GΩ ~ 10GΩ ± (3% reading + 0.1% full scale)
		10GΩ ~ 50GΩ ± (10% reading + 1% full scale)			10GΩ ~ 50GΩ ± (10% reading + 1% full scale)
	Voltage < 500V	0.1MΩ ~ 1GΩ ± (5% reading + 2% full scale)	-		0.1MΩ ~ 10GΩ ± (5% reading + 2% full scale)
Arc Detection					
Program setting	AC	1.0mA ~ 20.0mA			-
	DC	1.0mA ~ 10.0mA	-		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 ± 0.25mA Optional : ON or OFF			
Star Protection (Interlock)		When the pin is connected with low terminal, high voltage output is allowed			
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℃ ~ 45℃ Humidity 20% ~ 90% RH			
Storage Condition		-10℃ ~ 55℃, Humidity < 80% RH			
Parameter Comparison Temperature		18℃ ~ 28℃ 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			

Subject to change



SMA90015



90003R



90003B



USB Cable

scientiFic

Scientific Mes-Technik Pvt. Ltd.

B-14, Industrial Estate, Pologround, Indore 452 015, India

☎ 0731-2422330/31/32/33

✉ sales@scientificindia.com

🌐 www.scientificindia.com

Bengaluru 080-23452635
Chennai 044-42054180
Gujarat +917567463752
Hyderabad +917095228811
Kanpur +919981329105

✉ bangalore@scientificindia.com
✉ chennai@scientificindia.com
✉ gujarat@scientificindia.com
✉ hyderabad@scientificindia.com
✉ up@scientificindia.com

Kolkata +919630945856
Mumbai +919850901735
New Delhi +918770013379
Pune +919603828884

✉ kolkata@scientificindia.com
✉ mumbai@scientificindia.com
✉ ndelhi@scientificindia.com
✉ pune@scientificindia.com

