

Safety Tester / Hipot Tester SME1190 / SME1190A



SME1190



SME1190A

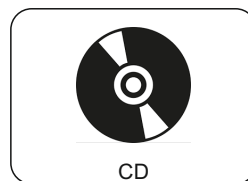
Features

- High power : AC 5 kV / 100 mA/ 500 VA output
- High-voltage floating output design, in line with the safety requirements of EU standards EN50191 (only SME1190)
- Electric shock protection function
- AC voltage real part current (leakage current) test function
- Breakdown voltage test function
- Screen capture function and single key recording function
- Rear panel output function (Optional)

Model		SME1190	SME1190A	
Withstand Voltage Test				
Output Voltage	AC	Range	0.05 to 5.0 kV	
		Waveform	50/60 Hz \pm 0.1% Sinusoidal Wave	
	DC	Range	0.05 to 6.0 kV	
		Output Power	500 VA (5.0 kV, 100 mA)	
Load Regulation		\pm (1% set value + 0.2% full scale) (rated power)		
Voltage Resolution		2 V		
Voltage Accuracy		\pm (1% set value + 0.1% full scale)		
Current Test Range	AC	Range	0.001 mA to 120 mA (voltage \leq 4 kV) 0.001 mA to 100 mA (voltage $>$ 4 kV)	
		Resolution	0.001 mA	
		Accuracy	\pm (1% reading + 0.5% full scale)	
	DC	Range	0.0001 mA to 25 mA (voltage \geq 1.5 kV) 0.0001 mA to 20 mA (voltage $<$ 1.5 kV)	
		Resolution	0.1 μ A	
		Accuracy	\pm (1% reading + 0.5% full scale)	
Maximum Short- Circuit Current		200 mA (AC test only)		
Fast Discharge Function		Auto discharge after test ends (DCW)		
Insulation Resistance Test				
Output Voltage	Range	0.05 to 5 kV		
	Resolution	2 V		
	Accuracy	\pm (1% reading + 0.1% full scale)		
Resistance test range		0.1 M Ω to 50.0 G Ω		
Resistance Test Accuracy		Voltage \geq 1 kV	1 M Ω to 1 G Ω	\pm (3% reading + 0.1% full scale)
			1 G Ω to 10 G Ω	\pm (7% reading + 2% full scale)
			10 G Ω to 50 G Ω	\pm (10% reading + 1% full scale)
		Voltage \geq 500 V to 1 kV	0.1 M Ω to 1 G Ω	\pm (3% reading + 0.1% full scale)
			1 G Ω to 10 G Ω	\pm (7% reading + 2% full scale)
			10 G Ω to 50 G Ω	\pm (10% reading + 1% full scale)
Voltage $<$ 500 V	0.1 M Ω to 1 G Ω	\pm (5% reading + 2% full scale)		
	Fast Discharge Function		Auto discharge once the test ends	

Model	SME1190		SME1190A
ARC Detection			
Program Setting	AC	1.0 mA to 20.0 mA	
	DC	1.0 mA to 10.0 mA	
OSC Detection			
Sampling Standard Capacitance Range	0.001 to 40 nF		
Open Circuit Judgement Range	10% to 100%		
Short Circuit Judgement Range	100% to 500%		
Time Setting			
Test Time	0.3 to 999s, 0 indicates continuous testing		
Rise Time	0.1 to 999s. 0 is OFF		
Fall Time	0.1 to 999s. 0 is OFF		
Wait Time	0.1 to 999s. 0 is OFF (on DC withstanding voltage)		
Safety Protection Function			
High voltage float output	Test Mode	ACW, DCW, IR	-
	Leakage Current	<3.5 mA ac/dc	-
Electric Shock Protection	0.5 mA ± 0.25 mA can choose : ON or OFF		
Start Protection Interlock	Only when both ends are short circuited high voltage delivery is allowed (refer to Figure 3-2 INTER LOCK)		
Panel Operation Protection	Key Lock, Password		
Alarm Indication	Pass : short deep, green light : Fail : long deep, red light		
Storage and Interface			
Internal Memory	Can save up to 100 files, 50 steps to edit each file		
Standard Interface	RS232, USB DEVICE, USB HOST, LAN, HANDLER		
Optional Interface	GPIB		
General Specifications			
Input Supply	100 V to 240 VAC, 47 Hz to 63 Hz		
Operating Condition	0°C to 45°C, Humidity : 20% to 90% RH		
Storage Condition	-10°C to 55°C, Humidity : <80% RH		
Display	7 inch 800 × 480 dots, TFT-LCD display		
Standard Interface	RS232, USB HOST, USB Device, Handler, LAN,		
Input Supply	230 AC ± 10% /50-60 Hz		
Operating Condition	0-40°C RH95%		
Dimension	W: 430, H: 132, D: 500 mm		
Weight	21 Kg (approx.)		
Accessories	Power Cord, HV Probe Set SMA90018 with SME1190, HV Probe Set SMA90015 with SME1190A, CD, USB Cable		

Subject to change



scientific

Scientific Mes-Technik Pvt. Ltd.

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

☎ 0731-2422330/31/32/33

📄 0731-2422334

✉ sales@scientificindia.com

🌐 www.scientificindia.com



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

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

Kolkata +917095228811
Mumbai +919850901735
New Delhi +918889912554
Pune +919850901735

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