

## Programmable DC Electrical Load SME1700+ Series



### Features

SME1700+ series is a programmable DC electronic load with high precision, high intelligence and easy to operate. This series of instruments has a variety of test functions, superior performance, clear display and menu operation which adapts to the production site rapid operation needs and laboratory high precision and high stability needs

- **Application**
- Power

Chargers, switching power supply, communication power, LED drivers, cell phone batteries, portable power source

- New energy  
Solar Cells, New Power Vehicles, Electric Bicycles
- Electronic power components  
Fuse / Connector / Relay / Sensor
- Automated equipment integration testing

Technical Specifications		SME1701+		SME1701A+		SME1703+		SME1703A+		SME1703B+	
Input	Voltage	150 V		500 V		150 V		500 V		150 V	
	Current	30 A		15 A		30 A		30 A		60 A	
	Power	175 W		175 W		350 W		350 W		350 W	
	Min. Operating Volt.	1.5 V @ 30 A		1.8 V @ 15 A		1.2 V @ 30 A		3 V @ 30 A		1.5 V @ 60 A	
	Min. Rising Time	20 μS									
Operating Mode		Constant Current (CC) Mode, Constant Resistance (CR), Mode, Constant Voltage (CV) Mode and Constant Power (CP) Mode									
Voltage	Range	0 - 15 V	0 - 150 V	0 - 50 V	0 - 500 V	0 - 15 V	0 - 150 V	0 - 50 V	0 - 500 V	0 - 15 V	0 - 150 V
	Setting Resolution	0.2 mV	2 mV	0.2 mV	2 mV	0.2 mV	2 mV	0.2 mV	2 mV	0.2 mV	2 mV
	Setting Accuracy	0.05% + 0.05% FS									
	Measurement Reso.	1 mV	10 mV	1 mV	10 mV	1 mV	10 mV	1 mV	10 mV	1 mV	10 mV
	Measurement Accu.	0.08% + 0.05% FS									
Current	Range	0-3 A	0 - 30 A	0 - 1.5 A	0 - 15 A	0 - 3 A	0 - 30 A	0 - 3 A	0 - 30 A	0 - 6 A	0 - 60 A
	Setting Resolution	0.05 mA	0.5 mA	0.05 mA	0.5 mA	0.05 m	0.5 mA	0.05 mA	0.5 mA	0.1m	1 mA
	Setting Accuracy	0.05% + 0.05% FS									
	Measurement Reso	0.1 mA	1 mA	0.1 mA	1 mA	0.1 mA	1 mA	0.1 mA	1 mA	0.1 mA	1 mA
	Measurement Accu.	0.08% + 0.05% FS									

Technical Specifications		SME1701+	SME1701A+	SME1703+	SME1703A+	SME1703B+					
Resistance	Range	0.05 Ω - 30 kΩ	0.12 Ω - 30 kΩ	0.04 Ω - 30 kΩ	0.1 Ω - 30 kΩ	0.03 Ω - 20 kΩ					
	Resolution	0.1 Ω									
	Accuracy	1%									
Power	Range	0 - 175 W	0 - 175 W	0 - 350 W	0 - 350 W	0 - 350 W					
	Resolution	10 mW									
	Accuracy	0.5% + 0.1% FS									
<b>Dynamic Mode</b>											
Dynamic Mode	Range	20 μS to 60 S									
	Resolution	2 μS									
	Accuracy	1 μS + 100 pp									
	Rising Slope	0.6 A/ms - 1.5 A/μs	0.3 A/ms - 0.75 A/μs	0.6 A/ms - 1.5 A/μs	0.6 A/ms - 1.5 A/μs	1.2 A/ms - 3 A/μs					
<b>Measurement</b>											
Ripple	Range	0 - 15 V	0 - 150 V	0 - 50 V	0 - 500 V	0 - 15 V	0 - 150 V	0 - 50 V	0 - 500 V	0 - 15 V	0 - 150 V
	Band Width	250 kHz									
	Accuracy	0.1%									
Protection Function	Over Voltage Protection (OVP) Over Current Protection (OCP), Over Power Protection (OPP)										
Storage	Internal 20 groups										
<b>General Specifications</b>											
Interface	RS232C, Handler										
Power Source	Voltage : 220 V ± 10%, Frequency 50 Hz/60Hz ± 5%										
Power Consumption	< 50 VA										
Temperature	0°C - 40°C										
Humidity	< 90%										
Dimensions	W : 350 x H : 122 x D : 425 mm										
Weight	3 Kg.					4.8 Kg.					
Standard Accessories	Mains Cord, CD										

Subject to change

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