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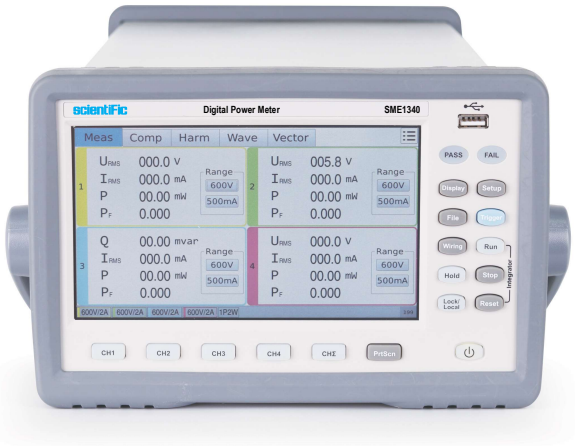
60 Years of Excellence

Digital Power Meter
SME1340 Series



Features

- Channel combination : Optional 1/3/4 channels
- AC and DC test
- High stability and consistency
- High resolution display : 7-inch 800×600 resolution touch screen
- Display screenshot function
- Broadband input : 0.1Hz~100kHz
- Harmonic analysis : Controllable analysis parameters, providing list display and bar graph display
- Comparison Function : Provide comparison output of 8 comparison channels, and the output mode is programmable
- Waveform display : Input signal waveform/integrated power waveform
- Vector display : Vector display of input signal
- Flexible energy integration control : Provide continuous time control and manual control the running and stopping of energy integration
- File storage: U disks
- Protocol : SCPI and MODBUS instruction set

Technical Specifications		SME1340	SME1340-3	SME1340-4	SME1341	SME1341-3	SME1341-4
Number of Channels		1	3	4	1	3	4
Display		7” (800 x 600) color TFT Touch Screen					
Wiring Mode		One Phase Two Wire (1P2W)	One Phase Two Wire (1P2W) One Phase Three Wire (1P3W) Three Phase Three Wire (3P3W) Three Phase Four Wire (3P4W) Three Voltage Three - Current (3V3A)		One Phase Two Wire (1P2W)	One Phase Two Wire (1P2W) One Phase Three Wire (1P3W) Three Phase Three Wire (3P3W) Three Phase Four Wire (3P4W) Three Voltage Three - Current (3V3A)	
Basic Features	AC	Y			Y		
	DC	Y			Y		
	Precision Type	Y			Y		
	Micro Current	Y			-		
	Harmonic Analysis	Y			Y		
	Electric Energy Test	Y			Y		

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Display Mode	Data	Y			Y		
	Integration Data	Y			Y		
	Waveform Graph	Y			Y		
	Vector Analysis	Y			Y		
	Histogram	Y			Y		
Basic Accuracy (One Year)							
Voltage	Basic Accuracy	0.15% Reading ± 0.2% Range					
	Resolution	0.001V					
Current	Basic Accuracy	± 0.15% Reading ± 0.1% Range					
	Resolutioin	0.1mA			1mA		
Frequency Range		Voltage / Current Accuracy					
DC		± (0.1% Reading + 0.2% Range)					
0.1Hz ≤ Freq < 45Hz		± (0.1% Reading + 0.2% Range)					
45Hz ≤ Freq < 66kHz		± (0.1% Reading + 0.1% Range)					
66Hz ≤ Freq < 1kHz		± (0.1% Reading + 0.2% Range)					
1kHz ≤ Freq < 10kHz		± ((0.07* Freq) % Reading + 0.3% Range)					
10kHz ≤ Freq ≤ 100kHz		± (0.5% Reading + 0.5% Range) ± (0.04*(Freq-10k)) % Reading					
Voltage	Range	15V / 30V / 60V / 150 V / 300V / 600V (Input impedance : 2 MΩ)					
	Min. Resolution	0.001V					
Current	Range	0.05A/0.1A/0.2A/0.5A/1A/2A			0.5A/1A/2A/5A/10A/20A		
	Min. Resolution	0.1μA			1μA		
	Input Impedance	40mΩ			4mΩ		
Power	Range	0.01mW ~ 1.2kW			0.1mW ~ 12kW		
	Min. Resolution	0.001mW			0.01mW		
Frequency	Range	Fundamental frequency range : DC/0.1Hz ~ 100kHz Filter : 500Hz					
	Min. Resolution	0.01Hz					
Power Factor	Range	-1.000 ~ 1.000					
	Min. Resolution	0.001					
Harmonic Analysis	Range	10Hz ~ 1.2kHz					
	Accuracy	± (5% of reading + 0.3% of range)					
Energy Integration	Range	0 ~ 99999kWh					
	Resolution	0.001Wh					
	Accuracy	± (0.2% of reading + 0.3% of range)					
Energy Timing	Range	0 ~ 9999 : 59 : 59					
	Resolution	1s					
	Accuracy	± 0.05%					
Lock Function		Data lock					
Range Method		Auto / Manual					
Input Impedance		≥ 2MΩ (Voltage Input)					
Comparator		Over-limit sound and light alarm					
Output		8 channel programmable relay output					
Communication Interface		RS232C / RS485 (Optional), USB Device, USB Host, LAN, Handler, WIFI (support RTL8192 and MT7601 drive network card)					
Storage		USB waveforms, setting files					

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General Information						
Power Supply	AC220V ± 10%, 50/60Hz ± 5%					
Operation Temperature	0~40˚C RH95%					
Dimension (WxHxD)	236 x 154 x 475.5 mm					
Weight	8.1 kg Approx					
Accessories	Mains Cord, CD, USB Cable					

Subject to change

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