

Digital Power Meter SME1300 Series

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Since 1963



Features

- PLL (phase-locked loop) technology, faster measurement speed
- AC and DC test
- Wide current measurement range
- Input signal waveform display: Voltage and current can be displayed simultaneously or separately
- Higher measurement accuracy and faster data update rate
- Rich display mode: Traditional four-window display
Full parameter full screen display
- Higher frequency test range and wider frequency response
- Multiple harmonic analysis display modes: List mode, Histogram
- Data Record Function
- 24-bit color 4.3-inch 480 x 272 color LCD screen,

Technical Specifications		SME1311	SME1312	SME1321	SME1331
Connection mode		Single phase			
Measurement Modes		AC, DC, Power	AC, DC, Power, Harmonic Analysis	AC, DC, Power, Harmonic Analysis	AC, DC, Power, Harmonic Analysis
Display Mode		Data, Waveform	Data, Waveform Harmonic Histogram	Data, Waveform Harmonic Histogram	Data, Waveform, Harmonic Histogram
Basic Accuracy		0.15% reading + 0.2% range + 1 digit			
Voltage	Range	5V – 75V / 150V / 300V / 600V			
	Resolution	0.01V			
Current	Range	10mA/30mA/100mA/ 400mA/1.5A/5A/20A	10mA/30mA/100mA/ 400mA/1.5A/5A/20A	1mA/3mA/10mA/ 40mA/150mA/500mA/ 2A	10mA/30mA/100mA/ 400mA/1A/3A/10A/ 40A
	Resolution	1mA	1mA	1μA	1mA
Power	Range	0.01W–12kW	0.01W–12kW	0.01mW –1.2kW, 6 class energy efficiency	0.01W – 24kW
	Resolution	0.01W	0.01W	0.001mW	0.01W
Frequency	Range	Fundamental frequency range : DC/45Hz-400Hz, Bandwidth : 21kHz, Filter : 5kHz			
	Resolution	0.01Hz			
Power factor	Range	0.001 – 1.000			
	Resolution	0.001			

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Harmonic Analysis		--	± (5% of reading + 0.3% of range)		
Power Integrator	Range	0-99999kWh			
	Resolution	0.001Wh			
	Accuracy	± (0.2% of reading + 0.3% of range)			
Power Timing	Range	0 – 9999:59:59			
	Resolution	1 s			
	Accuracy	± 0.05%			
Measurement speed		3 times / sec, Harmonic function on : 2 times / sec.			
Lock Function		Data lock			
Range Mode		Auto / Man			
Input Impedance		≥ 1MΩ (all voltage profiles)			
Comparator		Limit sound, light alarm			
Output		Relay Output			
Communication Interface		RS232C / RS485, USB Device, USB Host, Handler			
Storage		USB waveforms, set files			
General Information					
Display		4.3 inch color TFT display			
Operation Temperature		0-40 °C RH95%			
Dimension (WxHxD)		235 x 105 x 360 mm			
Weight		3.6 kg Approx			

Subject to Change

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