

Precision LCR Meter SM6036

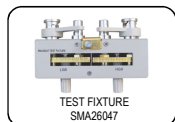


Advance Features

- High precision using automatic balancing bridge technology, four terminal pair test configuration
- High speed: The fastest test speed is 5.6ms
- 10-point multi-parameter list sweep function
- Mathematical operation function
- Automatic polarity function of varactor diode
- One-key screen shot function
- One key recording function
- 10-level sorting function, sound and light alarm for sorting results
- Large storage space
- Built-in: 40 sets of setting files
- Expansion: 500 sets of setting files, image files, and data recording files can be stored through USB memory
- Display : 7 inches , 800 x 480 Resolution

Model		SM6036
AC Parameters		Cp/Cs, Lp/Ls, Rp/Rs, (Z), (Y), R, X, G, B, θ , D, Q, Vac, Iac
DC Parameters		Rdc, Vdc, Idc
Test Frequency	Range	4Hz ~ 8.5MHz
	Resolution	1mHz
Test Level	AC Voltage	4Hz ~ 1MHz : 5mV ~ 2Vrms
		1MHz ~ 8.5MHz : 5mV ~ 1Vrms
	Resolution	100 μ V
	AC Current	4Hz ~ 2MHz : 50 μ A ~ 20mArms
		2MHz ~ 8.5MHz : 50 μ A ~ 10mArms
	Resolution	1 μ A
DC Bias	DC Voltage	100mV ~ 2V
	Resolution	100 μ V
	DC Current	0mA ~ \pm 100mA
	Resolution	1 μ A
Test Terminal Configuration		Four terminal pair
Cable Length		0, 1
Output Impedance		100 Ω
Measurement Speed		Fast : 5.6ms, Medium : 120ms, Slow : 230ms

Model		SM6036
Highest Accuracy		1 kHz : 0.05% 1MHz : 0.05% 2MHz : 0.1% 5MHz : 0.5% 8.5MHz : 1.0%
Display Range		
Cs, Cp	± 1.00000aF ~ 999.999EF	
Ls, Lp	± 1.000000aH ~ 999.999EH	
D	± 0.00001 ~ 9.99999	
Q	± 0.01 ~ 99999.9	
R, Rs, Rp, X, Z, Rdc	± 1.00000aΩ ~ 999.999EΩ	
G, B, Y	± 1.00000aS ~ 99.9999ES	
Vdc	± 1.000000aV ~ 999.999EV	
Idc	± 1.00000aA ~ 999.999EA	
θr	± 1.00000rad ~ 3.14159rad	
θd	± 0.0001deg ~ 180.000deg	
Δ%	± 0.0001% ~ 999.999%	
		(a : 1×10^{-18} ; E : 1×10^{18})
Multifunction List Scan	10 dots Parameter : Measurement Parameter, Test Frequency, AC Voltage, AC Current, DC Bias, Voltage and DC Bias current	
Graph Sweep	Optional	
Warm up time	60minutes	
General Specifications		
Display	7" TFT LCD display, 800 x 480 Resolution	
Input Voltage	100 ~ 120 VAC / 198 ~ 242VAC, 47 ~ 63Hz	
Operating Condition	0°C ~ 45°C, Relative Humidity : ≤ 75% (at 40°C, non condensation)	
Storage Condition	-20°C ~ 70°C	
Power Consumption	80VA	
Dimension (W X H X D)	400 x 132 x 425mm	
Weight	15kg	
PC Interface	Standard	RS232, USB Host, USB Device, HANDLER, LAN
	Optional	GPIO
Accessories	Standard	SMA26011BS, SMA26010, SMA26005C, Mains Cord, Interface Cable
	Optional	SMA26007A, SMA26008A, SMA26009B, SMA26047, SMA26062A, SMA26063, SMA26108C, SMA26077, SMA26048B



Subject to change

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