

PORTABLE LCR METER



TH2821B

Brief Introduce:

TH2821B is the first portable LCR meter with MPU control in China. It can measure following six parameters: L, C, R, |Z|, D and Q with 0.3% basic accuracy, 3 meas/sec measurement rate and suitable 4 Bins comparator. The use of complete 4-terminal measurement makes it possible for accurate low dissipation capacitor measurement with a portable meter. This portable meter can be used instead of a general purpose low frequency LCR meter with its good performance. With the battery and external power supply, TH2821B is ideal for field and portable applications such as fixed place component inspection and immediate measurement by buyers and maintenance personnel.

Specifications:

Test Parameter	L-Q, C-D, Z-Q	
Test Frequency	100Hz, 120Hz, 1kHz	
Test Level	0.3 Vrms(1 ± 10%)	
Basic Accuracy	0.3%	
Measuring Range	L	100/120 Hz 1μH - 9999H
		1kHz 0.1μH - 999.9H
		10kHz 0.01μH - 99.99H
	C	100/120 Hz 1pF - 9999μF
		1kHz 0.1pF - 999.9μF
		100kHz 0.01pF - 99.99μF
	R, Z	0.0001Ω - 999.9Ω
D,G	0.0001 - 9999	
Δ%	0.0001% - 9999%	
Measuring Speed	Approx 3 meas/sec	
Equivalent Circuit	Series and Parallel	
Ranging Mode	Auto and Hold	
Display Mode	Direct, ΔABS and Δ%	
Measurement Terminals	5 Terminals	
Correction Function	Open and Short Sweep Zeroing	
Comparator Function	4 Bins: NG, P1, P2, P3	

General Specifications:

Operation Temperature And Humidity		
Power Requirements	Battery 1604, 9V or Adapter 12V DC, 150mA	
Operation current	TH2821/B	<25mA
(L x W x D) Dimensions	200mm x 95mm x 40mm	
Weight	400 g Approx	

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