

anbai

Digital LCR Meter

AT2816A/B AT3816A/B

Characters

- Frequency: 10Hz~200kHz
- Signal Level: 0.01V~2.00Vrms
- Accuracy : 0.05%
- DC BIAS: ±2.5V
- Chinese /English operation
- DCR Measurement

Upgraded AT3816 with color LCD, english operation and large font used for laboratory quality control and component parts sorting.

AT38 series increased DCR measurement and internal DC bias. (DC BIAS, ±2.5V). 4 parameters can be tested simultaneously. Each parameter can be set arbitrarily. Both main and sub parameters can be displayed in 6 dgt after improvement. It can scan 10 kinds of frequency or levels. also can correct 3 groups of user's Frequency to improve accuracy. Built-in comparator, HANDLER interface combined with PLC to complete automatic sorting of components and built-in SCPI and Modbus protocols.



SPECIFICATIONS

	AT2816A Precision LCR Meter	AT2816B Digital LCR Meter	AT3816A Precision Digital LCR Meter	AT3816B Digital LCR Meter
Parameters	Cs-Rs,Cs-D,Cp-Rp,Cp-D,Lp-Rp,Lp-Q,LS-Rs,LS-Q,G-B,R-X,Z-θrad,Z-θdeg DCR (only for AT3816A & AT3816B)			
Monitor Parameters	Z, D, Q, θr, θd, R, X, G, B, Y, Vac, Iac, Δ, Δ%			
Accuracy	0.05% ±5 dgt	0.1%±5 dgt	0.05% ±5 dgt	0.1%±5 dgt
Frequency	50Hz ~ 200kHz (continuous)	50Hz ~ 200kHz (37 points)	10Hz ~ 200kHz (continuous)	50Hz ~ 200kHz (37 points)
Range	L: 0.00001μH-999999H C: 0.00001pF - 999999μF R,Z: 0.00001Ω - 99.9999MΩ D: 0.00001 - 9.99999 Q: 0.00001 - 99999.9 Δ%:-999999% - 999999% θ(rad): -3.14159 - 3.14159 θ(deg): -179.999° -179.999° DCR: 0.00001Ω ~ 99.9999MΩ(only for AT3816 series)			
Source Resistance	30Ω, 50Ω &100Ω			
Range	Automatic Manual & Nominal, 9 ranges			
Max display	6 dgt, principle parameter: 999999 Sub parameter: 999999 Monitor parameter: 999999			
Signal level	0.01V ~ 2.00V (10mV step)		0.01V ~ 2.00V (10mV step) , with ALC function	
DC Bias	/		-2.5V~+2.5V	
Test speed	30t/ 10t/ 5t / 3t/s (with average)		40t/s, 10t/s, 3t/s (with average)	
comparator	14-bin sorting, 10- bin GD, 1 -bin NG, 1-bin AUX, 2 -bin principle parameter NG Count function: Max :999999			
List Test	10 groups frequency and level scanning test			
Adjustment	Open/short frequency correction, 3 point frequency and load correction			
Files	10 groups files to save user's setting 1 group to save system data real-time			
Interface	RS232C, ExHandler standard USB disc interface (save article 10000 data)			
Others	LCR auto selection, Key lock, SCPI instruction set,color LCD display, save 999 sets of LCD , trigger delay , build in SCPI & Modbus protocols			
Power	voltage: 90VAC ~ 250VAC frequency: 50Hz~60Hz Max power:20VA			
Sizes/Weight	(mm) 264 (W)x107(H)x350 (D) , 4kg			