Applent

Frequency : 50Hz~200 kHz
Signal level : 0.01V~2.00Vrms
Accuracy : 0.05%

Digital LCR Meter
AT2816A   AT2816B

AT2816A/AT2816B adopt true-color TFT-LCD and English operation interface (Chinese also available). Menu soft key board operation & digital keypad.6 digits display with the maximum speed of 30 times per second. It can not only scan 10 groups frequency or voltage level list, but also correct 3 groups of user frequency so as to improve the accuracy. Equipped with automatic 14-bin sorting interface and RS-232C interface

SPECIFICATIONS

	AT2816A Precision Digital LCR Meter	AT2816B 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	
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
Frequency	50Hz-200kHz(continuous frequency with resolution of 0.001Hz)	50Hz - 200kHz (37 kinds frequency)
Display 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°	
Source Resistance	30Ω, 50Ω, 100Ω	
Range	9 ranges, Automatic, Manual, Nominal	
Display Max	6 dgt, principle parameter: 999999; sub parameter: 999999; monitor parameter: 999999	
Signal Level	0.01V - 2.00V (10mV Step)	
Speed	30 t/s, 10 t/s, 6 t/s, 3 t/s 1 - 256 times average is available	
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 group files to save users' setting, 1 group to save system data real-time	
Interface	RS232C, ExHandler Interface, with standard USB disc interface (article 10000 data)	
Others	LCR automatic selection, keypad lock, SCPI instruction set, true-color TFT-LCD display	

GENERAL FEATURES

Power Supply	Voltage: 90V AC - 250V AC Frequency: 50Hz - 60Hz Power: Max 20VA
Size	264mm(Width)x107mm(Height)x350 mm(Depth); 4kg

ORDERING INFORMATION

Accessories	ATL501: Kelvin Test clip ATL601: Test fixture ATL600: Short-circuit slice ATL108:RS232 Communication cable
Options	ATL608 SMD patch test fixture ATL508: SMD patch test clip ATS2816: Data acquisition software ATL508A: SMD patch test clip