

AT3816A - Features and Benefits



- Store 999 LCD screen files, trigger delay, automatic level control (ALC)
- Multi-frequency test: support 10 frequency scan tests
- Multi-level test: support 10 level scan tests
- Absolute deviation (ABS) comparison mode, relative deviation (PER) and order (SEQ) comparison
- Switchable accessory file (AUX) sorting
- Programmable from 1 to 200 times to provide stability
- Built-in RS232C interface and Handler interface
- 1000V super shock protection

AT3816A adopt true color TFT-LCD display. AT3816A with continuous frequency point of 10Hz~200kHz with a resolution of 0.001Hz. Test signal level 0.01Vrms ~ 2.00Vrms (10mV step) with DCR measurement and internal DC bias function. It can test the 4 parameters of component at the same time, each parameter can be arbitrarily configured. The newly improved instrument realizes display of main and auxiliary four parameters all 6 digits, can scan 10 kinds of frequency or level list, it can also be used for 3 groups frequency be corrected to improve accuracy. Built-in comparator, through HANDLER interface combined with PLC to complete the automatic sorting of components.

Specifications	Model	AT3816A
	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
	Monitor Parameters	Z, D, Q, θr, θd, R, X, G, B, Y, Vac, Iac, Δ, Δ%
	Accuracy	0.05% ±5 digit
	Frequency	10Hz~200kHz (continuous frequency, resolution 0.001Hz)
	Display Range	L: 0.00001uH~999999H
		C: 0.00001pF~999999uF
		R,Z: 0.00001Ω~99.9999MΩ
		D:0.00001~9.99999
		Q:0.00001~99999.9
		Δ%: -999999%~999999%
		θ(deg):-179.999~179.999
		θ(rad):-3.14159~3.14159
	DCR:0.00001Ω~99.9999MΩ	
	Source Resistance	30Ω,50Ω and 100Ω
	Range	Automatic, Manual, and nominal, 9 ranges
Display Max	6 digital, principle parameter: 999999; sub parameter:999999; monitor parameter: 999999	
Signal Level	0.01V~2.00V (10mV Step),ALC function	
DC Bias	-2.5V~+2.5V	
Speed	40 times/sec; 10 times/sec; 3 times/sec(with average function)	
Comparator	14-bin sorting, 10-bin GD, 1-bin NG, 1-bin AUX, 2-bin principle parameter NG;Count Function:Max. to 999999	
List Test	10 group frequency and level scanning measurement	
Adjustment	Open & Short circuit sweep frequency correction, 3 point frequency correction and load calibration.	
Files	10 group files to save user's setting, 1 group to save system data real-time	
Interface	RS232C, ExHandler interface, standard configuration USB Disc interface (article 10000 data)	
Display	Store 999 LCD screen files, trigger delay, automatic level control (ALC),Built-in SCPI and MODBUS protocols	
Power Supply	Voltage: 90V AC - 250V AC Frequency: 50Hz - 60Hz Max Power: 20VA	
Demension	264mm (W)x107mm(H)x350mm(D)	
Weight	4kg	