

AT3818 - 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

AT3818 adopt true color TFT-LCD display. AT3818 with continuous frequency point of 10Hz~300kHz 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	AT3818
	Parameters	Cs-Rs, Cs-D, Cp-Rp, Cp-D, Lp-Rp, Lp-Q, Ls-Rs, Ls-Q, Rs-Q, R-X, Z-θrad, Z-θdeg, DCR
	Monitor Parameters	Z, D, Q, θr, θd, R, X, G, B, Y, Vac, Iac, Δ, Δ%
	Accuracy	Slow / Medium speed: 0.05%±5 words Fast: 0.1%
	Frequency	10Hz~300kHz (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)
	Speed	Fast: 25ms medium speed: 100ms slow speed: 333ms
	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)
	Power Supply	Voltage: 90V AC - 250V AC Frequency: 50Hz - 60Hz Max Power: 20VA
	Demension	264mm (W)x107mm(H)x350mm(D)
	Weight	4kg