



AT3818 adopts true-color TFT-LCD and English operation interface (Chinese also available). **AT3818 (Rev B2.0) has been upgraded into continuous frequency with the resolution of 0.001Hz.**

Four parameters can be measured simultaneously by AT3818, Any parameters can be set arbitrarily. Both main & sub parameters can be displayed in **6 dgt** after the improvement. AT3818 can not only scan **10 kinds of frequency** or voltage level list, but also correct three groups of user frequency so as to improve the accuracy.

SPECIFICATIONS	
AT3818 Precision LCR Meter	
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%
Basic Accuracy	0.05% ± 5 dgt
Frequency	10Hz - 300kHz (continuous frequency, frequency resolution 0.001Hz)
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(deg): -179.999° -179.999° θ(rad):-3.14159 - 3.14159 DCR: 0.00001Ω ~ 99.9999MΩ
Source Resistance	30Ω, 50Ω, 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	40t/s, 10t/s, 3 t/s (with average function)
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 group frequency and level scanning measurement
Adjustment	Open & Short circuit sweep frequency reset, 3 point frequency reset 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)
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 Max Power: 20VA
Size	264mm (width)x107mm(height)x350mm(depth) 4kg
ORDERING INFORMATION	
Accessories	ATL501E: Four-terminal Kelvin test box ATL508A: SMD tweezers test clip ATL601: Test fixture ATL600: Short-circuit slice ATL108: RS232 Communication cable AC Power Cord
Options	ATL608: SMD patch fixture ATL508: SMD tweezers test clip ATS2818: Data acquisition software