



Digital LCR meter AT810A series adopt the latest technology and continuous level setting, cover all low frequency. Both main & sub parameters can be displayed in 6 dgt with accuracy of 0.05% which made AT810A the performance leadership of LCR. Impeccable function of low frequency and multiple interfaces make AT810A adapt to any harsh environment.

AT810A improved Handler interface can meet more requirements of different sorting machine. AT810A provides a high cost-performance and more accuracy solution for produce line.

SPECIFICATIONS

AT810A Precision Digital 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
Monitor Parameters	Z, D, Q, θr, θd, R, X, G, B, Y, Vac, Iac, Δ, Δ%
Accuracy	0.05% ±5 dgt
Frequency	10Hz - 20kHz (continuous frequency with resolution of 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
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 sweep 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)x350mm (Depth); 4kg

ORDERING INFORMATION

Accessories	ATL501: Kelvin Test clip ATL601: Test fixture ATL600: Short-circuit device ATL108:RS 232 Communication cable
Options	ATL608 SMD patch test fixture ATL508: SMD patch test clip ATS810A: Data acquisition software ATL508A: SMD patch test clip