AT 817D DIGITAL LCR METER

CHINESE/ENGLISH OPERATION
264 (W) * 107 (H) * 350 (D)
UNIT: mm
Weight: 4kg

TEST FREQUENCY RANGE
50Hz,60Hz,100Hz,120Hz,1kHz,10kHz,
20kHz,40kHz,50kHz,100kHz

- **Measurement parameters L-Q,C-D,R-Q,Z-Q**
- **Monitor parameters D,Q**

Test speed up to 20 t/s

The AT817D is a precision LCR meter, which is a fully automatic micro desktop instrument controlled by a high-performance microprocessor. The instrument can choose ten typical test frequencies between 50Hz and 100kHz, and has 0.1V, 0.3V, and 1V test signal levels to measure inductance L, capacitance C, resistance R, complex impedance Z, quality factor Q, loss angle tangent D, and phase angle θ (Degrees) and Phase θ (Radians). The main parameter is displayed in all 5 digits, the secondary parameter is displayed in all 6 digits, and the auxiliary third display simultaneously displays the third parameter (D, Q, Z, θ, Δ, Δ%, Bin). With an accuracy of up to 0.05%, this instrument can meet the requirements of various component manufacturers, schools, research institutes, and metrology and quality inspection departments for precise testing and mass production.



Power Voltage: 198V-250VAC Frequency: 47.5~52.5Hz
Max power: 25VA

MODEL	AT817D
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	0.1%
Frequency	50Hz, 60Hz, 100Hz, 120Hz, 1kHz, 10kHz, 20kHz, 40kHz, 50kHz, 100kHz(10 point)
Range	Auto, Manual, Nominal , 9 ranges
Display Range	L: 0.001μH-9999.9H C: 0.001pF – 9999.9μF R,X,Z: 0.0001Ω - 99.999MΩ D, 0.00001 – 9.99999 Q: 0.00001 – 99999.9
Signal level	0.1Vrms, 0.3Vrm,1Vrms
Test speed	3 t/s，8 t/s，20 t/s
Max display	Main parameter: 99999 Sub parameter: 999999
Source Resistance	30Ω，50Ω &100Ω
Comparator	1 set of file records, 5 files sorting
Calibration	Open/ short sweep frequency correction,3-point frequency zeroing and load correction
Interface	/
Files	1 group save system data real -time
Accessories	ATL501 Test cable; ATL601 Test fixture ; ATL600 Short-circuit plate