

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

Test speed up to 20 t/s

The AT817D is a precision LCR digital bridge, 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 , $\Delta\%$, Bin). With an accuracy of up

- Measurement parameters L-Q, C-D, R-Q, Z-Q
- Monitoring parameters D, Q



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

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.

MODEL	AT817D
Parameters	Cs-Rs, Cs-D, Cp-Rp, Cp-D, Lp-Rp, Lp-Q, Ls-Rs, Ls-Q, G-B, R-X, Z- θ rad, Z- θ deg
Monitor Parameters	Z, D, Q, θ_r , θ_d , R, X, G, B, Y, Vac, Iac, Δ , $\Delta\%$
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: 0.001 μ H-9999.9H C: 0.001pF - 9999.9 μ F R, X, Z: 0.0001 Ω - 99.999M Ω D, 0.00001 - 9.99999 Q: 0.00001 - 99999.9
Signal level	0.1Vrms, 0.3Vrms 和 1Vrms
Test speed	3 t/s, 8 t/s, 20 t/s
Max display	Key parameter: 99999 Subparameter: 999999
Source Resistance	30 Ω , 50 Ω & 100 Ω
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