

AT810/810D DIGITAL LCR METER

CONTINUOUS TESTING FREQUENCY 100Hz、120Hz、1kHz、10kHz

- Measurement parameters L-Q,C-D,R-Q,Z-Q
- Monitoring parameters D,Q
- Automatic 6-range testing

The AT810 is a general-purpose LCR digital bridge that uses high-performance microprocessors to control micro desktop instruments. Automatic measurement of inductance L, capacitance C, resistance R, complex impedance Z, quality factor Q, loss tangent D, phase angle θ (Degrees) and Phase θ (Radians). 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.

The instrument has professional sorting



■ Power Voltage: 198V-250VAC Frequency: 50Hz Max power: 20VA

function and sound settings, equipped with a Handler interface and RS232C interface, and is applied to automatic sorting systems to complete fully automatic pipeline testing.

MODEL	AT810	AT810D
Parameters	L,C,R, $ Z $,D,Q, θ (deg), θ (rad)	L,C,R,Z,D,Q
Accuracy	0.1%	0.2%
Frequency	100Hz, 120Hz, 1kHz, 10kHz	
Range	Auto & Manual, 6 ranges	
Max display	L: 0.01 μ H-9999H R,Z: 0.0001 Ω -99.99M Ω $\Delta\%$: -9999% - 9999% D: 0.0001 - 9.9999 Q: 0.0001 - 9999 θ (deg): -179.99° - 179.99° θ (rad): -3.1416 - 3.1416	L: 0.01 μ H-9999H R,Z: 0.0001 Ω -99.99M Ω $\Delta\%$: -9999% - 9999% D: 0.0001 - 9.9999 Q: 0.0001 - 9999
Signal level	0.1Vrms / 0.3Vrms / 1Vrms	0.3Vrms / 1Vrms
Test speed	15t/s, 5t/s, 3t/s	2t/s, 5t/s
Max display	Principle parameter: 99999 Sub parameter: 99999	
Source Resistance	30 Ω & 100 Ω	
Comparator	20 groups files record, 5-bin sorting, beep function	5-bin sorting P1,P2,P3,AUX,NG
Equivalent circuit	Series and parallel connection	
Impact protection	1000V/10 μ F, 600V/80 μ F & 400V/150 μ F Capacitor charged impact protection	
Display Results	Direct reading, Δ ABS, $\Delta\%$, D, Q, $ Z $ & Sorting results	Direct reading, Δ ABS, $\Delta\%$
Calibration	open/short sweep frequency or point frequency	open/short sweep frequency
Interface	RS-232C (SCPI) Handler	\
Others	VFD display, key lock and data hold function	
Accessories	ATL501:Kelvin test clip ATL601Test fixture ATL600A: short-circle slice ATL108 Communication cable	ATL501:Kelvin test clip ATL601Test fixture ATL600: short-circle slice
Options	ATL608 SMD patch test fixture; ATL508 SMD patch test clip;	

VFD DISPLAY

264 (W) * 107 (H) * 350 (D)
UNIT: mm

Weight: 4kg