AT810/810D DIGITAL LCR METER

VFD DISPLAY
264 (W) * 107 (H) * 350 (D)
UNIT: mm
Weight: 4kg

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 precision LCR meter 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.



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

The instrument has professional sorting 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: 0.01μH-9999H C: 0.01pF-9999μF R,Z:0.0001Ω-99.99MΩ Δ%: -9999% - 9999% D: 0.0001 - 9.9999 Q:0.0001 - 9999 θ(deg): -179.99°-179.99° θ(rad) :-3.1416 – 3.1416	L: 0.01μH-9999H C: 0.01pF-9999μF R,Z:0.0001Ω-99.99MΩ Δ%: -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 esistance	30Ω &100Ω	
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/10μF、600V/80μF & 400V/150μF Capacitor charged impact protection	
Display Results	Direct reading、ΔABS、Δ%、D、Q、|Z|&Sorting results	Direct reading、ΔABS、Δ%
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
Optional Attachment	ATL608 SMD patch test fixture; ATL508 SMD patch test clip;	