AT 2617/2616/2610
CAPACITANCE METER

CHINESE/ENGLISH OPERATION
264 (W) * 107 (H) * 350 (D)
UNIT: mm
Weight: 3kg

TESTING FREQUENCY
100Hz,120Hz, 1kHz,
10kHz, 100kHz, 200kHz

- **Test Functions** Cs-Rs, Cs-D, Cp-Rp, Cp-D, Rs-Q,Rp-Q, Z-D, Z-Q
- **Monitor Parameter** Z, R, Δ, Δ%
- **Test Level** 0.1V, 0.3V, 0.5V, 1.0Vrms

AT261X series is a capacitance meter , a miniature desktop instrument with automatic real-time detection controlled by a high-performance 32-bit ARM microprocessor. The instrument can choose the test frequency of 200kHz (AT2616), and can choose the test signal level of 0.1V, 0.3V, 0.5V and 1.0V rms.

The main and auxiliary parameters are displayed in 5 digits, and one of Z, R, A, and A% can be displayed at the same time. With an accuracy of up to 0.1%, this instrument can meet the requirements of automation equipment manufacturers, manufacturers of various components, schools, research institutes and measurement and quality inspection departments for accurate testing and mass production.



Power Supply 90V-260VAC , 50Hz~60Hz Power: maximum 15VA

MODEL AT2617 / AT2616 / AT2610

Parameters	Cs-Rs, Cs-D, Cp-Rp, Cp-D, Rs-Q,Rp-Q, Z-D, Z-Q
	C: capacitance; R: resistance; Z: impedance; D: Loss; Q: Quality factor subscript; S: series equivalent; P: indicates parallel equivalence
Accuracy	0.1%
Test Frequency	**AT2610** 100Hz,120Hz,1kHz, 10kHz **AT2617** 100Hz,120Hz,1kHz,10kHz,100kHz **AT2616** 100Hz,120Hz,1kHz, 10kHz,100kHz,200kHz Frequency accuracy: 0.01%
Monitor Parameters	Z, R, Δ, Δ%
Display Range	C: 0.0001pF–9.9999mF R,Z: 0.0001Ω-99.999MΩ D, 0.0001–9.9999 Q: 0.0001–9999.9 Δ%: -999.999%-999.999%
Source Resistance	30Ω ,100Ω
Max Display	All 5 main parameters, auxiliary parameters, and auxiliary parameters: 99999
Equivalent circuit	Series and parallel connection
Signal Level	ACV: 0.1V,0.3V,0.5V,1.0Vrms; Accuracy: 10%;
Average	1~256
Trigger	Internal, manual , external and remote
Range	Auto, manual and standard , 9 ranges

Trigger Delay	0.01ms~60s
Test Speed	30t/s, 10t/s, 3t/s
Comparator	Qualified range (BIN1-BIN3): indicates that both the main and auxiliary parameters are qualified; Auxiliary file (AUX): indicates that when the auxiliary file is opened, the main parameter is qualified but the secondary parameter is not qualified; Out of spec file: The main parameter is not qualified, or when the auxiliary file is closed, the main parameter is qualified but the secondary parameter is not qualified. HI/IN/LO: More detailed comparison results of the main parameters, HI: The main parameters are on the high side, LO: The main parameters are on the low side, IN: The main parameters are qualified
Comparator Mode	Sequence/Absolute Deviation/Relative Deviation
Calibration	Open circuit reset, short circuit reset (sweep frequency and spot frequency)
Files	Internal memory: 10 files External USB memory: 10 files.
Beep	Off/Qualified/Unqualified.
Data Logger	9999 groups of file(.csv)
Interface	Handler/RS232/RS485/GPIB(Optional)
Protocol	SCPI/Modbus
Accessories	ATL501A:Test cable ATL601: Test fixture, ATL108 RS232 communication cable 36P