

AT 2617/2616/2610

CAPACITANCE METER

CHINESE/ENGLISH
OPERATION

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

Weight: 3kg

MEASUREMENT 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 tester, 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 1.0Vrms.

The main and auxiliary parameters are displayed in 5 digits, and one of Z, R, Δ, and Δ% 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	Trigger Delay	0.01ms~60s
Accuracy	0.1%	Measurement Speed	30t/s, 10t/s, 3t/s
Measurement Frequency	AT2610 100Hz, 120Hz, 1kHz, 10kHz AT2617 100Hz, 120Hz, 1kHz, 10kHz, 100kHz AT2616 100Hz, 120Hz, 1kHz, 10kHz, 100kHz, 200kHz Frequency accuracy: 0.01%	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
Monitor Parameter	Z, R, Δ, Δ%	Comparator Mode	Sequence/Absolute Deviation/Relative Deviation
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%	Calibration	Open circuit reset, short circuit reset (sweep frequency and spot frequency)
Source Resistance	30Ω, 100Ω	Files	Internal memory: 10 files External USB memory: 10 files.
Display Reader	All 5 main parameters, auxiliary parameters, and auxiliary parameters: 99999	Beep Feature	Off/Qualified/Unqualified.
Equivalent circuit	Series and parallel connection	Data Logger	9999 groups of file(.csv)
Signal Level	ACV: 0.1V, 0.3V, 0.5V, 1.0Vrms; Accuracy: 10%;	Interface	Handler/RS232/RS485/GPIB(OPTIONAL)
Average	1~256	Protocol	SCPI/Modbus
Trigger Mode	Internal, manual, external and remote	Accessories	ATL501A: Test cable ATL601: Test fixture, ATL108 RS232 communication cable 36P
Measurement Range	Auto, manual and standard, 9 range		