

# 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

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, 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.

- 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



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

### Model AT2617 / AT2616 / AT2610

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