AT 2617/2616/2610

Measurement Frequency

100, 120, 1kHz
10kHz 100kHz

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** **0.1Vrms, 0.3Vrms, 1Vrms**

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

Model   AT2617 / AT2616 / AT2610

Test Functions	Cs-Rs, Cs-D, Cp-Rp, Cp-D, Rs-Q,Rp-Q, Z-D, Z-Q	**Measurement Range**	Auto, manual and standard , 9 range
Accuracy	0.1%	**Trigger Delay**	0.01ms~60s
Measurement Frequency	AT2610: 100,120,1kHz, 10kHz AT2617: 100,120,1kHz, 10kHz， 100kHz AT2616: 100,120,1kHz, 10kHz， 100kHz,200kHz Frequency accuracy： 0.01%	**Measurement Speed**	30t/s, 10t/s, 3t/s
Monitor Parameter	Z, R, Δ, Δ%	**Comparator**	Qualified file: (BIN-BIN3): Represents main and sub- parameter are both qualified. Auxiiary file: Represents when auxiliary file is open, main parameter is qualified, but sub parameter is unqualified.
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%		
		Comparator Mode	Sequence/Absolute deviation/ Relative deviation
Source Resistance	30Ω ,100Ω	**Adjustment**	Open circuit clear zero, short circuit clear zero(Scan frequency and dot frequency
Display Reader	All 5 main parameters, auxiliary parameters, and auxiliary parameters： 99999	**Files**	Internal memory: 10 files External USB memory: 10 files.
Equivalent circuit	Series and parallel connection	**Beep Feature**	Off/Qualified/Unqualified.
Signal Level	VAC: 10.00mV-2.00V; Accuracy: 10%; CV mode accuracy: 6%	**Data Logger**	9999 groups of file(.csv)
Average	1~256	**Interface**	Handler/RS232/RS485/GPIB(OPTIONAL)
Trigger Mode	Internal, manual , external and remote	**Protocol**	SCPI/Modbus