



# AT9236 COMPREHENSIVE SAFETY TESTER

## 100ma Output current

CHINESE/ENGLISH  
OPERATION

246 (W) \* 112 (H) \* 536 (D)  
UNIT: mm

Weight: 20kg

Automatic overvoltage and  
overcurrent protection  
DC fast discharge technology

- Data recording function supports USB storage
- RS232/Handler automation interface

INSULATION TEST RATED OUTPUT

**2.5kVdc/9999MΩ**

AC WITHSTAND VOLTAGE TEST RATED OUTPUT

**5kVac/100mA**

DC WITHSTAND VOLTAGE TEST RATED OUTPUT

**6kVdc/50mA**



■ Power Supply 220VAC 50Hz~60Hz Power: maximum 550VA

The AT9236 Electrical Safety Performance Comprehensive Analyzer is an instrument that integrates multiple testing functions such as electrical strength (AC/DC withstand voltage) and insulation resistance. It is an important testing equipment for various electrical manufacturers and quality inspection departments.

### ● RAPID TESTING

This series of testers uses high-speed microprocessors as the control core and can measure various safety and regulatory parameters of the tested object in real-time. They can complete three tests in as little as 4 seconds, especially meeting the requirements of production lines for fast testing.

### ● SIMPLE OPERATION

This series of testers adopts a 5-inch LCD screen, which can quickly complete various test condition settings and tests using various physical buttons and numeric keyboards, and the operation is simple; The large screen display can display test information and data in more detail on one page.

### ● INTELLIGENT DISCRIMINATION

This series of testers has an intelligent upper and lower limit judgment function, which can automatically identify defective products and provide sound and light alarms.

### ● RELIABLE OPERATION

The entire circuit of this series of testers adopts various anti-interference measures, with strong anti-interference ability. Adopting sine pulse width modulation (SPWM) technology to generate 50Hz or 60Hz standard sine waves, which are driven and output by high-power MOS transistors, achieving contactless regulation of high voltage. At the same time, it has hardware and software protection, greatly improving the reliability of the instrument.

### ● USE SAFETY

Automatic overvoltage and overcurrent protection for safer use

#### INTERFACE

USB-HOST、RS232/RS485、HANDLER、  
Warning lights、External remote control

## MODEL AT9236

### AC WITHSTAND VOLTAGE TEST

<b>Rated Output</b>	5kVac/100mA
<b>Actual Output</b>	500VA, ≥ 90%
<b>AC voltage output</b>	Range (100 ~ 5000) V, Resolution 1V, accuracy ± (2%) × Set value+5V)
<b>Voltage output stability</b>	± (0.4% × Set value+1V)/minute, no load, full load
<b>output frequency</b>	50Hz / 60Hz, accuracy: ±0.1Hz
<b>Output waveform distortion</b>	Resistive load: < 2%
<b>Output adjustment</b>	± (2%×Setting values+5V)
<b>Short-circuit current</b>	> 200mA
<b>AC voltage</b>	Range (0.10 ~ 5.00) kV, Resolution 0.01kV, accuracy ±(1.5%×Reading+1dgt)
<b>Upper limit of current</b>	Range (0.00~100.00) mA, Resolution 0.01mA, Judgment error ± (2% ×set value+5 dgt)
<b>Lower limit of current</b>	Range (0.000~9.999) mA, Resolution 0.001mA, Judgment error ± (2% ×set value +5dgt)
<b>AC current measurement</b>	Range 0.000~3.500/3.00~100.00 mA Resolution 0.001/0.01 mA accuracy ± (2% ×Reading+5 dgt)
<b>Ramp up and ramp down time</b>	Range: (0.1~999.9)s,Resolution: 0.1s, accuracy: ± (0.2% ×set value+1 dgt)
<b>Duration</b>	Range: Infinite length, (1.0~999.9) , Resolution : 0.1s, accuracy: ± (0.2% ×set value+1 dgt)
<b>ARC Detector</b>	1 ~9 (9 is the most sensitive), 0 represents the function of turning off the arc
<b>Current compensation</b>	0.000~100.00mA, Total current+compensation current<100mA, automatic

### DC WITHSTAND VOLTAGE TEST

<b>Rated output</b>	6kVdc / 50mA
<b>Actual Output</b>	300VA, ≥ 90%
<b>DC voltage output</b>	Range (100 ~ 6000) Vdc, Resolution 1V, accuracy ± (2% ×set value+5V)
<b>Voltage output stability</b>	Range (0.10 ~ 6.00) kVdc, Resolution 10V, accuracy ±(1.5%×Reading+1 dgt)
<b>output frequency</b>	<5% (6kV/1mA Resistive load)
<b>Output adjustment</b>	± (2%×set value+5V) , Empty to full load
<b>Upper limit of current</b>	Range (0~9999) μA/50mA, Resolution 0.1μA/0.01mA, Judgment error ± (2%×set value+5 dgt)
<b>Lower limit of current</b>	Range (0.0~999.9) μA, Resolution : 0.1μA, Judgment error: ± (2%×set value+5 dgt)
<b>DC current measurement</b>	Range0.0~350.0/300~3500/3000~9999μA/50mA, Resolution 0.1/1/10μA/0.01mA, Judgment error ± (2%×Reading+5 dgt)
<b>Ramp up time</b>	Range: (0.4 ~999.9) s ;Resolution 0.1s accuracy:±0.2% ×set value+1 dgt
<b>Duration</b>	Range: (0.5 ~999.9) s ; Infinite length; Resolution 0.1s; accuracy:±0.2% ×set value+1 dgt
<b>Slow descent time</b>	Range:Off (1.0 ~999.9) s ;Resolution 0.1s accuracy:±0.2% ×set value+1 dgt
<b>ARC Detector</b>	1 ~9(9 is the most sensitive), 0 represents the function of turning off the arc
<b>Current compensation</b>	(0 ~200.0) μA, Auto, manual
<b>Slowly increasing upper limit current</b>	On/Off, with an upper limit current of 12mA when on
<b>Charging lower limit current</b>	(0~3500) μA, Auto, manual
<b>Discharge time</b>	≤ 200ms
<b>Max capacitive load</b>	1μF < 1kV, 0.75μF < 2kV, 0.5μF < 3kV, 0.08μF < 4kV, 0.04μF < 6kV

### INSULATION RESISTANCE TEST

<b>Rated Output</b>	2.5kVdc/9999MΩ
<b>DC voltage output</b>	Range (100 ~ 2500) Vdc, Resolution: 1V, accuracy: ± (2% ×set value+5V)
<b>DC voltage measurement</b>	Range (100 ~ 2500) Vdc, Resolution: 10V, accuracy: ± (2% ×Reading+5V)
<b>Drop voltage</b>	Not less than 90% of rated voltage, drop resistance 10MΩ (1%range)
<b>Insulation resistance</b>	Range (1 ~9999) MΩ, Resolution:1MΩ
<b>Ramp up time</b>	Range: (0.1 ~999.9) s, Resolution: 0.1s,accuracy: ±0.2% ×set value+1 dgt
<b>Discharge time</b>	≤ 200ms
<b>Charging lower limit current</b>	(0~3.500) μA, Auto, manual