NEW product

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 4s, especially are 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 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

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

AC WITHSTAND VOLTAGE TEST

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

INSULATION RESISTANCE TEST

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