



9110ADI COMPREHENSIVE SAFETY TESTER

100mA Output current

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 9110ADI 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 9110ADI

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

DC WITHSTAND VOLTAGE TEST

Rated output	6kVdc / 10mA
Actual Output	60VA, ≥ 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/10mA, Resolution 0.1μA/0.01 mA, 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/10mA, 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	1uF < 1kV, 0.75uF < 2kV, 0.5uF < 3kV, 0.08uF < 4kV, 0.04uF < 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