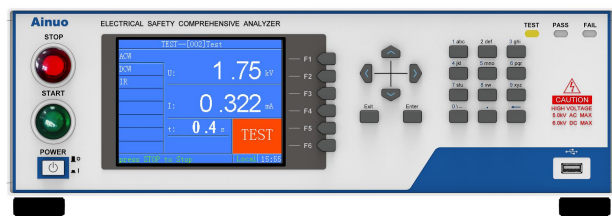


AN9635HC(F)/36HC(F)/37HC(F)/38HC(F) Multi-channel Electrical Safety Comprehensive Tester

- ※ 4-in-1: ACW/DCW/IR/GB
- ※ High precision: 1% accuracy
- ※ Multi-channel: Multi-channel scan test



Product Introduction

Ainuo AN96(F) series multi-channel electrical safety comprehensive tester has the characteristics of high speed, high precision and multi-channel, with functions including AC withstand voltage, DC withstand voltage insulation resistance, AC ground bond resistance test, as well as arc detection, open and short circuit detection, multi-channel switching and other function combinations.

The series of products have wide range options: AC withstand voltage 5kV/100mA (or 40mA), DC withstand voltage 6kV/10mA, insulation resistance 2.5kV/50GΩ, AC grounding 32A/600mΩ.

The products have information interfaces and automation interfaces, meeting the requirements of high-quality development, intelligent manufacturing and industrial upgrading.

The series of products can meet the safety testing requirements of various electrical products with multi I/Os, such as switching power supplies, power adapters, frequency converters, inverters, UPS, motors, electric drives, batteries, and charging piles.

Features

★ Safe and reliable

- ※ Main drafting unit of state standards and verification regulations for safety testing products;
- ※ Nearly 30 years of safety testing expertise and follow-up of industry needs;
- ※ Complete electromagnetic, environment, load, operating conditions, fatigue test verification;
- ※ Anti-shock protection, arc detection, open/short circuit detection etc.

★ Convenient and efficient

- ※ Fast measurement and control: fast test, switching, discharge;
- ※ Accurate test: 500VA AC withstand voltage, 1% accuracy;
- ※ Flexible configuration: various functions, channels and models.

★ Automatic and efficient

- ※ Parallel test: parallel positive/negative high voltage test, complete the three-terminal withstand voltage test within 1s;
- ※ Scan test: multi-channel high voltage and grounding scan test combination, flexible configuration;
- ※ Rich interface: RS232, USB, LAN, PLC, I/O.

Features

	AN9638HC(F) ACW/DCW/IR/GB	AN9637HC(F) ACW/DCW/IR/GB	AN9636HC(F) ACW/DCW/IR	AN9635HC(F) ACW/DCW/IR
AC withstand voltage (ACW)	5kVac/100mA	5kVac/40mA	5kVac/100mA	5kVac/40mA
DC withstand voltage (DCW)	6kVdc/20mA			
Insulation Resistance (IR)	2.5kVdc/50GΩ			
Ground bond resistance (GB)	64Aac/600mΩ	32Aac/600mΩ	None	
Parallel	Optional parallel positive/negative high voltage output, specially designed for three-terminal withstand voltage test of switching power supply			
Multi-channel scan	Optional 8-channel high voltage and ground test combination		Optional 8-channel high-voltage board	
Operation interface	5.5-inch" LCD, RS232/LAN/WIFI/PLC/USB port			
Dimensions (mm)	426 (W) *132 (H) *520 (D)			

Specification details (subject to the final confirmation of the technical specification)

Function			Technical indicator
AC withstand voltage test	Rated output capacity		9638HC、9636HC: 500VA(5000V/100mA), short circuit current>200mA
			9637HC、9635HC: 2500VA(5000V/40mA), short circuit current>200mA
	Output voltage	Range/Accuracy	Range:(100~5000)V,resolution:1V, allowable error:±(1%×setting value+5V)
	Output frequency	Range/Accuracy	50Hz/60Hz,allowable error:±0.1Hz
	Alarm current	Upper limit/Accuracy	Range:(0.00~40.00 or 100.00)mA,resolution:0.01mA,allowable error:±(1%×reading value+5 counts)
		Lower limit/Accuracy	Range:(0.000~9.999)mA,resolution:0.001mA,allowable error:±(1%×reading value+5 counts)
	Time	Range	Range:0,(0.5~999.9)s,0 is infinite, resolution:0.1s, allowable error ±(0.1%×setting value+2 counts)
		Ramp-up time	Range:0,(0.1~999.9)s, 0 is off, resolution:0.1s, allowable error ±(0.1%×setting value+2 counts)
		Ramp-down time	Range:0,(0.1~999.9)s, 0 is off, resolution:0.1s, allowable error ±(0.1%×setting value+2 counts)
	Start voltage setting		(0%-50%)×output voltage setting value
	Current compensation setting		0.000~10.00mA,total current+compensation current<100.00mA,automatic, manual
	Arc detection		Level 1~9(9: highest level), 0: off
DC withstand	Rated output capacity		120VA(6000VDC/20mA)
	Output voltage	Range/Accuracy	Range:(100~6000)VDC,resolution:1V,allowable error:±(1%×setting value+5V)

voltage test	Alarm current	Upper limit/Accuracy	Range:(0.0~20000) μ A,resolution:0.1 μ A/1 μ Aallowable error: $\pm(1\%\times$ reading value+5 counts)
		Lower limit/Accuracy	Range:(0.0~999.9) μ A,resolution:0.1 μ Aallowable error: $\pm(1\%\times$ reading value+5 counts)
	Time	Range	Range:0,(0.5~999.9)s,0 is infinite,resolution:0.1s, allowable error $\pm(0.1\%\times$ setting value+2 counts)
		Ramp-up time range	Range:0,(0.4~999.9)s,0 is off,resolution:0.1s, allowable error $\pm(0.1\%\times$ setting value+2 counts)
		Ramp-down time range	Range:0,(1.0~999.9)s,0 is off,resolution:0.1s, allowable error $\pm(0.1\%\times$ setting value+2 counts)
	Start voltage setting		(0%-50%) \times output voltage setting value
	Charging lower limit current		(0~350.0) μ A, automatic, manual
	Arc detection		Level 1~9(9: highest level), 0: off
Insulation resistance test	Rated output		2500VDC/50G Ω
	Output voltage	Range/Accuracy	Range:(100~2500)VDC,resolution:1V,allowable error: $\pm(1\%\times$ setting value+5V)
	Alarm resistance	Upper/lower limit	Range:0.10M Ω ~50000M Ω , the upper limit includes no upper limit setting
		Accuracy	100~499V:0.10M Ω ~999.99M Ω , $\pm(2\%\times$ reading value+2 counts) 1000~2000M Ω , $\pm(5\%\times$ reading value+2 counts) 500~2500V:0.10~999.99M Ω , $\pm(2\%\times$ reading value+2 counts), 1000~9999M Ω , $\pm(5\%\times$ reading value+2 counts) 10000~50000M Ω , $\pm(15\%\times$ reading value+2 counts)
	Time	Delay decision time	Range:0,(0.5~999.9)s,0 is infinite,resolution:0.1s, allowable error $\pm(0.1\%\times$ setting value+2 counts)
		Ramp-up time range	Range:0,(0.1~999.9)s,0 is off,resolution:0.1s, allowable error $\pm(0.1\%\times$ setting value+2 counts)
		Ramp-down time range	Range:0,(1.0~999.9)s,0 is off,resolution:0.1s, allowable error $\pm(0.1\%\times$ setting value+2 counts)
	Charging lower limit current		(0~3.500) μ A, automatic, manual
Ground bond resistance test	Rated output		Max test current 32A, open-circuit voltage<12V; (for AN9638HC(F), the max current is 64A)
	Output current	Range/Accuracy	Range:(2.0A~32.0A)AC,resolution:0.1A,allowable error: $\pm(1\%\times$ setting value+2 counts)
	Output voltage	Range/Accuracy	Range:(3.0~10.0)V AC,resolution:0.1V,allowable error: $\pm(1\%\times$ setting value+2 counts),in the open-circuit case
	Output frequency	Range/Accuracy	50Hz/60Hz,allowable error: ± 0.1 Hz
	Alarm limit	Range of resistance upper/lower limit	3 A \leq output current \leq 10A: 10 ~ 600 m Ω 11A \leq output current \leq 25A: 10 ~ 300 m Ω 26A \leq output current \leq 32A: 10 ~ 200 m Ω
		Accuracy	<100m Ω , $\pm(1\%\times$ reading value+1m Ω); \geq 100m Ω , $\pm(1\%\times$ reading value+2 counts)
	Compensation resistance	Range	0~100m Ω , automatic test, compensation can be set ON/OFF
	Test time	Range/Accuracy	Range:0,(0.5~999.9)s,0 is infinite,resolution:0.1s, allowable error $\pm(0.1\%\times$ setting value+2 counts)
Dimension			426*132*470 (W \times H \times D, mm)