

Precision Electrical Safety analyzer

Multiple function Electrical Safety analyzer

AN9638H(F)/AN9637H(F)/AN9636HS(F)/AN9635HS(F)
/AN9616HS(F)/AN9613HS(F)



Main features

- ★ **Latest international standard:** Comply with CCC, IEC, EN, VDE, BS, UL, JIS standard requirements. 500VA withstand (AC 5kV/100mA), short-circuit output current exceeds 200mA. Ground resistance test current up to 64A, optional resistance or voltage mode. 7 kinds of built-in networking MD card for leakage contact current test, complying with multiple industrial standards.
- ★ **Intelligent test:** 15 groups of test memories (group name editable), 8-step programming for each group. Product bar code reading and identification, automatically call the test group according to the model/specifications of the products tested. With U-disk to save test data timely.
- ★ **Auto control:** RS232/RS484/GPIB (four), bar code scanner interface, PLC interface, easily forming automation system.
- ★ **Information management:** optional electrical safety monitoring and control system software (ESRS), realizing test process and data management, high test efficiency, convenient for analysis and tracing.
- ★ **Simple operation:** LCD display, shortcuts, Chinese/English.

Order information and extended functions

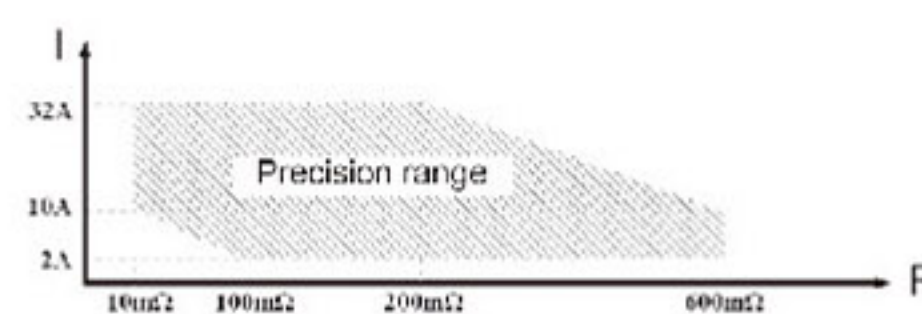
- ★ AN9638H(F), 500VA(5000V/100mA) AC/DC withstand voltage, ground test (64A).
- ★ AN9637H(F), 200VA(5000V/40mA) AC/DC withstand voltage, ground test (32A).

Type function

Model	AC HIPOT	DC HIPOT	Insulation Resistance	Ground Bond	Leakage current	ARC	Delay	High Voltage scanner
AN9638H(F)	5kV/100mA	6kV/10mA	2.5kV/10G	64A/600mΩ	-	Yes	Yes	optional
AN9637H(F)	5kV/40mA	6kV/10mA	2.5kV/10G	32A/600mΩ	-	Yes	Yes	optional
AN9636H(F)	5kV/100mA	6kV/10mA	1kV/10G	-	-	-	-	-
AN9635H(F)	5kV/40mA	6kV/10mA	1kV/10G	-	-	-	-	-
AN9616H(F)	-	-	-	60A/1000mΩ	-	-	-	-
AN9613H(F)	-	-	-	40A/1000mΩ	-	-	-	-
AN9620TH(F)	-	-	-	-	3 phase 7MD	-	-	-
AN9620H(F)	-	-	-	-	Single phase, 7MD	-	-	-

Spec.

AC Hipot test	Rated output capacity	AN9638H(F)	500VA (5000V/100mA) , short circuit current >200mA	
		AN9637H(F)	200VA (5000V/40mA) , short circuit current >200mA	
	Output voltage setting	Range, Accuracy	100~5000V, $\pm (2\% \times \text{setting} + 5 \text{ counts})$	
	Output frequency setting	Range, Accuracy	50Hz or 60Hz, $\pm 0.1\% \times \text{setting}$	
	Alarm current limits setting	Upper-limit range, Accuracy	0.10~100.00mA (or 40.00mA) , $\pm (2\% \times \text{setting} + 5 \text{ counts})$	
		Lower-limit range, Accuracy	0.000~9.999mA, $\pm (2\% \times \text{setting} + 5 \text{ counts})$	
	Test time setting	Range	0.5~999.9s (0 is infinite)	
		Ramp up/down time range	0.1~999.9s	
		Accuracy	$\pm (0.2\% \times \text{setting} + 1 \text{ count})$	
	Measurement	Voltage range, Accuracy	0.01~5.00kV, $\pm (1.5\% \times \text{reading} + 1 \text{ count})$	
		Frequency range, Accuracy	50Hz or 60Hz, $\pm 0.1\% \times \text{reading}$	
		Current range, Accuracy	0.10~100.00mA (or 40.00mA) , $\pm (2\% \times \text{reading} + 2 \text{ counts})$	
		Time range, Accuracy	0.1~999.9s, $\pm (0.2\% \times \text{reading} + 1 \text{ count})$	
	Output voltage waveform, distortion, regulation		Sine wave, <2% (pure resistance load) <2% \times setting+5V) (from no load to full load)	
Start voltage setting		(0%~50%) \times output voltage setting		
Current compensation setting		0.000~100.00mA (or 40.00mA) , auto- manual		
Arc detection		1~9 level, 9 level is the most sensitive, 0 is OFF		
DC Hipot test	Output voltage setting	Range, Accuracy	100~6000VDC, $\pm (2\% \times \text{setting} + 5 \text{ counts})$	
	Alarm current limits setting	Upper-limit, Accuracy	0~10000 μ A, $\pm (2\% \times \text{setting} + 5 \text{ counts})$	
		lower-limit, Accuracy	0.0~999.9 μ A, $\pm (2\% \times \text{setting} + 5 \text{ counts})$	
	Test time setting	Range	0.5~999.9s (0 is infinite)	
		Ramp up time range	0.1~999.9s	
		Ramp down time range	0.3~999.9s (0 is OFF)	
		Accuracy	$\pm (0.2\% \times \text{setting} + 1 \text{ count})$	
	Measurement	Voltage range, Accuracy	0.01~6.00VDC, $\pm (1.5\% \times \text{reading} + 1 \text{ count})$	
		Frequency range, Accuracy	0.0~10000uA, $\pm (2\% \times \text{reading} + 5 \text{ counts})$	
		Current range, Accuracy	0.1~999.9s, $\pm (0.2\% \times \text{reading} + 1 \text{ count})$	
	Rated output capacity		60VA (6000VDC/10mA)	
	Output voltage ripple, regulation		<5%(pure resistance load) <(2% \times setting+5V)(from no to full load)	
	Compensation current Setting		0~200.0 μ A, auto, manual	
	Start voltage setting		(0%~50%) \times setting output voltage	
Charging current lower limit		(0~3.500) μ A, auto, manual		
Discharge time		$\leq 200\text{ms}$		
Arc detection		1~9 level, 9 level is the most sensitive, 0 is OFF		
Insulation Resistance test	Output voltage setting	Range, Accuracy	100~2500Vdc, $\pm (2\% \times \text{setting} + 5 \text{ counts})$	
	Alarm resistance setting	Range	1~9999M Ω	
		Accuracy	100-499V, 1~1000M Ω , $\pm(8\% \times \text{setting} + 2 \text{ counts})$ 1000~2000M Ω , $\pm(12\% \times \text{setting} + 2 \text{ counts})$ 500-2500V, 1~199M Ω , $\pm(2\% \times \text{setting} + 2 \text{ counts})$, 200~999M Ω , $\pm (5\% \times \text{setting} + 2 \text{ counts})$ 1000~9999M Ω , $\pm (15\% \times \text{setting} + 2 \text{ counts})$	
	Test time setting	Ramp up time range	0.1~999.9s	
		Adjustment delay time	0, 0.5~999.9s (0 is infinite)	
		Test time range	0, 0.5~999.9s (0 is infinite)	
		Ramp down time range	0.1~999.9s	
		Accuracy	$\pm (0.2\% \times \text{setting} + 1 \text{ count})$	
	Measurement	Voltage range, Accuracy	100~2500Vdc, $\pm (2\% \times \text{reading} + 5 \text{ counts})$	
		Resistance range, Accuracy	1~9999M Ω ; 100-499V, 1~1000M Ω , $\pm(8\% \times \text{reading} + 2 \text{ counts})$ 1000~2000M Ω , $\pm(12\% \times \text{reading} + 2 \text{ counts})$ 500-2500V, 1~199M Ω , $\pm(2\% \times \text{reading} + 2 \text{ counts})$ 200~999M Ω , $\pm (5\% \times \text{reading} + 2 \text{ counts})$ 1000~9999M Ω , $\pm (15\% \times \text{reading} + 2 \text{ counts})$	
		Time range, Accuracy	0.1~999.9s, $\pm (0.2\% \times \text{reading} + 1 \text{ count})$	
	Charging current lower limit		0~3.500 μ A, auto, manual	
	Discharge time		$\leq 200\text{ms}$	

Ground Bond Resistance test	Rated output	AN9638H(F)	Max output current is 64A, max testing resistance 600mΩ, open-circuit voltage <12V
		AN9637H(F)	Max output current is 32A, max testing resistance 600mΩ, open-circuit voltage <12V
	Output current setting	Range, Accuracy	2.0~32.0A (or 64A), ±(2%×setting+5 counts)
	Output voltage setting	Range, Accuracy	3.0~10.0V, ±(2%×setting+5 counts)
	Output frequency setting	Range, Accuracy	Sine wave, 50Hz or 60Hz, ±0.1%×setting
	Alarm limits setting	Resistance upper/lower limits	2.0~10.6A: 0.1~600mΩ; 10.7~32.0A (or 64A): 0.1~R mΩ, among R= (6400 / set current value) mΩ, As the current range is switched, the tester will automatically calculate the maximum range
		Tolerance	±(2%×setting+5 counts)
	Compensation resistance setting	Range	0~100 mΩ, automatic testing, compensation function can be set to ON/OFF
	Test time setting	Range, Accuracy	0.5~999.9s (0 stand for time infinite length); ±(0.2%×setting+1 count)
	Measurement	Current range, accuracy	2.0~32.0A (or 64A), ±(2%×reading+2 counts)
Voltage range, accuracy		3.0~10.0V, ±(2%×reading+5 counts)	
Resistance range, accuracy		10.0~99.9~100~600mΩ; ±(2%×reading+5 counts)	
		 <p>(64A current calculated method is same)</p>	
	Time range, accuracy	0.1~999.9s (0 stand for time infinite); ±(0.2%×setting+1 count)	
Extended function	Communication function	Address setting	0~999
		Baud rate setting	300, 1200, 2400, 4800, 9600, 192000
		Verification mode setting	None, odd, even
	Bar code scanning	Bar code scanning function	ON/OFF
		Bar code length setting	1~30
		Model identification number	Start bit select 1~30, max length 16 Bit
	Print function	Function allocation explain	Hardware interface is optional
		Printer type setting	stylus printer, miniprinter
		Printing mode setting	Manual, auto
		Printing condition setting	Print all, print pass data, print fail data
	Three-channel Hv scanner	Function allocation explain	Hardware interface is optional
		Built in, rear panel output	Optional function, realize primary to GND, secondary to GND, primary-secondary AC Hipot test
	Operation interface	Display screen	320×240 LCD show
		Interface language	Chinese, English
Alarming voice		ON/OFF	
Password protection		4 password, setting, ON/OFF	
Interface	Remote interface	standard, foot pedal (start) or manual remoter (start, stop) are optional	
	Alarm light interface	standard, 3 color lamp (test/pass/fail) is optional	
	Communication interface	Standard RS232, Internet, RS485, GPIB are optional	
	Barcode scanner interface	optional, can combine with barcode scanner, identify barcode information automatically	
	PLC interface	optional, output start, stop, test, pass, fail signal	
	Printer interface	optional, parallel printing interface	
	Three-channel Hv scanner interface	optional, built in, realize primary to GND, secondary to GND, primary-secondary AC Hipot test	
General specification	Calibration environment	23°C±5°C, (45~75)%RH, little dust	
	Operating environment	0 °C ~40°C, (5~90)%RH, little dust	
	Storage environment	-10°C~55°C, (5~95)%RH, little dust	
	Power input requirements	220V±10%, 50Hz±5%, 10A	
	Power Consumption	100~600VA (related to working condition)	
	Gross weight	About 30kg	
	Dimension (W×H×D)	with packaging without packaging	600×340×720mm 426×133×500mm