

Preliminary



Programmable HF AC Tester Model 11802

Chroma 11802 programmable High Frequency AC Tester is a digital controlled high frequency AC source platform, can be combined with high frequency voltage step-up module to provide high frequency with high voltage. It is best choice to perform quality verification for various electronic components which used under high frequency with high voltage conditions.

High Frequency with High Voltage Load Life Test

Chroma 11802 output test frequency is 20kHz—200kHz, which cover application frequency range for various SMPS and LCD Inverter etc. Combine with proper voltage transformation module to fit application range is possible. It also provides digital functions, like programmable output voltage wave controller to simulate the operation condition for DUT, and cycle count mode or timer mode for load life test, etc. Chroma 11802 uses tracking DC source inside for output amplifier to reduce power consumption and lower temperature rising. It reduces electricity cost and improve stability for long time testing. Conclude the design, Chroma 11802 is the best choice of high frequency with high voltage load life test for electronic components which are used like secondary of LCD Inverter, High voltage capacitors, primary of SMPS main power, and etc.... under high frequency with high voltage condition.

Programmable HF AC Tester

MODEL 11802

Key Features:

- Test Frequency: 20KHz ~ 200KHz
- Output Range:
 - With A118013 H.F. Voltage Step-up Module →0.01-5kV, 100mA max
 - With A118014 H.F. Voltage Step-up Module →0.01-2.5kV, 200mA max
- Output voltage and current monitor
- Programmable output voltage waveform control
- Cycle count mode or time count mode for load life test timer
- Lower power consumption and lower temperature rising design
- Large LCD Display(320*240 dot-matrix)
- Build-in digital timer



Chroma

Specifications

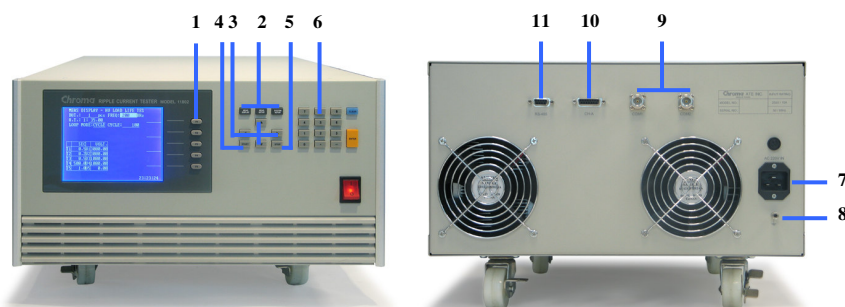
HF AC Source Output		
Frequency	20KHz ~ 200KHz $\pm 0.02\%$, Programmable	
Output Parameters (Note 1)		
With option A118013 (HF HV, 5.0kV/100mA)	Output Voltage Range	0.01kV - 5.00kV, $\pm(5\%$ of setting + 0.01kV) [note 2]
	Output Current Range	100mA maximum.
With option A118014 (HF HV, 2.5kV/200mA)	Output Voltage Range	0.01kV - 2.50kV, $\pm(5\%$ of setting + 0.01kV) [note2]
	Output Current Range	200mA maximum.
Signal Monitor Parameter Accuracy		
With option A118013 (HF HV, 5.0kV/100mA)	Output Voltage Reading	0.01kV - 6.00kV, $\pm(4\%$ of reading+ 0.01kV) [note 2]
	Output Current Reading	0.1mA - 99.9mA, $\pm(3\%$ of reading + 0.1mA)[note 2]
With option A118014 (HF HV, 2.5kV/200mA)	Output Voltage Reading	0.01kV - 3.00kV, $\pm(4\%$ of reading + 0.01kV) [note2]
	Output Current Reading	0.1mA - 199.9mA, $\pm(3\%$ of reading + 0.1mA)[note 2]
Control Function		
Timer	1 min – 10000 hour, 30min error per year	
	0.1 sec ~ 999.9 sec	
Display	320 X 240 dot-matrix LCD display	
Operation	Start, Stop, Continue	
Protection	OCP, OTP, Over Load	
General		
Operation Environment	Temperature : 10°C ~ 40°C, Humidity : < 90% RH	
Power Consumption	1500 VA max.	
Power Requirement	220Vac $\pm 10\%$; 48 Hz ~ 62 Hz	
Weight	Approx. 60 Kg	
Size (W x H x D)	430 x 364 x 607 mm	

Note 1: Under rated load and voltage correction is well performed.

Note 2: For test frequency above 100kHz, multiply the accuracy error by 2 times.

All specifications are subject to change without notice.

Panel Description



1. Function keys
2. Menu keys
3. Cursor keys
4. START key
5. STOP key
6. Entry keys
7. AC 220V power socket
8. Grounding terminal
9. AC Output terminals
10. External module control Interface
11. RS-485 connection terminal (Reserved)

Ordering Information

11802	Programmable HF AC Tester
A118013	HF Voltage Step-up Module – 5kV/100mA
A118014	HF Voltage Step-up Module – 2.5kV/200mA

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