SLA-HV-2000 High Voltage Amplifier

Single channel

Maximum output voltage 2kVp-p(±1kVp)

The maximum output current is 40mAp

Bandwidth (-3dB) DC to 100kHz

Slew rate ≥445V/μs

Overview

SLA-HV-2000 is an ideal single-channel high voltage amplifier for amplifying AC/DC signals. Maximum output 2kVp-p(±1kVp) high voltage, can drive high voltage load. The voltage gain can be adjusted, and the common Settings can be saved with one key, providing a convenient and simple choice of operation. It can be used with the mainstream signal generator to achieve perfect signal amplification.

Voltage Gain

Voltage gain 0~1000 times NC adjustable, specifically divided into coarse adjustment (1step) and fine adjustment (10 step) two. Combined with the LCD panel gain display, can quickly and accurately adjust to the required voltage value.

LCD Panels Display

SLA-HV-2000 adopts liquid crystal display, dynamic display of device status and parameters, different color prompts make man-machine interaction more efficient, operation interface at a glance, simple and easy to understand.

Monitor

1/1000 Monitor: The voltage of this port is 1/1000 of the output port, and the monitoring port is a BNC connector, which can be directly connected to the oscilloscope for real-time monitoring of the output voltage.

Output & Input

The output is SHV RF connector, the maximum output voltage is 2kVp-p(±1kVp), the maximum output current is 40mAp. The input is BNC interface.

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Specifications

Model	SLA-HV-2000
Channel	1
Form of output	Single output
Bandwidth（-3dB)	DC to 100kHz
Maximum output voltage	2kVp-p(±1kVp)
Maximum output current	20mAp（DC~50Hz)
	40mAp（＞50Hz)
Maximum output power	40Wp
Fuse	3A/250V
Voltage gain	x0~1000（1 step/10 step)
Upper limit of load R_L	≥49.5KΩ（DC~50Hz)
	≥24.5KΩ（＞50Hz)
Output resistance	500Ω
Slew rate	≥445V/μs
Output voltage error	≤±1%@(DC，1kV)
Total harmonic distortion	≤1%@1kHz，1.6kVp-p
Input resistance	10kΩ
Voltage monitor	1000：1
Input amplitude	0~10Vp-pMAX
Zero-point drift of output voltage	≤±1V
Output connector	SHV RF connector
Protection	Overcurrent protection
Signal ground	connected with the housing and power cord

Other

Supply voltage	AC220V±10%,50Hz
Operating temperature	0°C ~ 45°C
Storage temperature	-20°C ~ 50°C
Humidity	≤80% RH，no condensation
Warranty	3 years
Size	442*164*574mm(w * h * d)

Order

Model	**SLA-HV-2000 High Voltage Amplifier**
Parameters	DC to 100kHz（-3dB)
Accessories	*1 three-core power cord, *2 BNC cables, *1 high-voltage output line, *1 safety tube, product specification, certificate, packing list, factory test report each.
Contact	sales@salukitec.com