

## SLA-HV-10000 High Voltage Amplifier

---

Single channel

Maximum output voltage 10kVp-p( $\pm 5$ kVp)

The maximum output current is 20mA<sub>p</sub>

Bandwidth (-3dB) DC to 5kHz

Slew rate  $\geq 111$ V/ $\mu$ s



### Overview

---

SLA-HV-10000 is an ideal single-channel high voltage amplifier for amplifying AC/DC signals. Maximum output 10kVp-p( $\pm 5$ kVp) 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 0~2000 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-10000 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 High voltage connector, the maximum output voltage is 10kVp-p( $\pm 5$ kVp), the maximum output current is 20mA<sub>p</sub>. The input is BNC interface.

## Specifications

<b>Model</b>	SLA-HV-10000
<b>Channel</b>	1
<b>Form of output</b>	Single output
<b>Bandwidth (-3dB)</b>	DC to 5kHz
<b>Maximum output voltage</b>	10kVp-p(±5kVp)
<b>Maximum output current</b>	10mA <sub>p</sub> (DC~50Hz)
	20mA <sub>p</sub> (> 50Hz)
<b>Maximum output power</b>	100W <sub>p</sub>
<b>Fuse</b>	4A/250V
<b>Voltage gain</b>	x0~2000 (1 step/10 step)
<b>Upper limit of load R<sub>L</sub></b>	≥495KΩ (DC~50Hz)
	≥245KΩ (> 50Hz)
<b>Output resistance</b>	5kΩ /200kΩ (switchable)
<b>Slew rate</b>	≥111V/μs
<b>Output voltage error</b>	≤±3%@(DC, 5kV)
<b>Total harmonic distortion</b>	≤1%@1kHz, 8kVp-p
<b>Input resistance</b>	10kΩ
<b>Voltage monitor</b>	1000: 1
<b>Input amplitude</b>	0~10Vp-pMAX
<b>Zero-point drift of output voltage</b>	≤±1V
<b>Output connector</b>	High voltage connector
<b>Protection</b>	Overcurrent protection
<b>Signal ground</b>	connected with the housing and power cord

## Other

<b>Supply voltage</b>	AC220V±10%,50Hz
<b>Operating temperature</b>	0°C ~ 45°C
<b>Storage temperature</b>	-20°C ~ 50°C
<b>Humidity</b>	≤80% RH, no condensation
<b>Warranty</b>	3 years
<b>Size</b>	440*290*565mm(w * h * d)

## Order

<b>Model</b>	SLA-HV-10000 High Voltage Amplifier
<b>Parameters</b>	DC to 5kHz (-3dB)
<b>Accessories</b>	*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.
<b>Contact</b>	sales@salukitec.com