

# 4CH H.V. Power Supply APV3304

MADE IN JAPAN

## Network control type 4CH HV power supply board

H.V.

APV3304 is 4CH independence low ripple, high-voltage power supply board with ramp control by network.

### Overview

This is 4CH-HV power supply board of the VME type. Polarity and the range of the output voltage are customizable every CH. HV modules can choose the output voltage polarity (positive or negative), and range (1kV, 2kV, 3kV, 4kV, 5kV).

It is having an indicator using the LED array to the voltage monitor. A bias shout down input terminal and the emergency stop switch are equipped with a protective function.

Every CH can control the output voltage from attached application independently by Ethernet. Furthermore, it is most suitable for the control from the remote place.

In an optional function, the voltage and current of each CH are logging in max. 1ksp/s.

### Specifications

<b>Output voltage</b>	Choose module of 1kV, 2kV, 3kV, 4kV, 5kV at the order *It is customizable on every CH. 1CH type model : APV3301, 2CH type model : APV3302
<b>Output current</b>	In +5kV: Max. 0.67mA *In case of 0 to +5kV variable type In -4kV: Max. 1.0mA *In case of 0 to -4kV variable type In -1kV: Max. 4.00mA *In case of 0 to -1kV variable type
<b>Ripple</b>	In +5kV: 20mVp-p(typ.) In -1kV: 10mVp-p(typ.)
<b>Polarity</b>	Choose positive or negative on every CH at the order Displayed polarity, Front panel LED (Positive: Yellow, Negative: Red)
<b>Ramp control</b>	Setting increase/decrease voltage rate (V/min) per 1 min.
<b>Output voltage monitor</b>	Output LED (Under the output: Green) LED array of each CH (Indicator) 500V/LED Max. 5kV
<b>Output control switch</b>	Output ON/OFF switch with each CH by the hardware
<b>Emergency stop switch</b>	Forced output OFF with the hardware by a push and hold
<b>Connector for output HV</b>	SHV connector x 4
<b>External input connector</b>	Bias shut down for input : Lemo 00 series connector x 4 For extensions : Lemo 00 series connector x 1
<b>Output voltage limit</b>	Max output voltage limit by rotary switch 0:OFF, 1: rated output 10%, 2: 20% - 9:90%, 10: 100% *Rated output of select module.
<b>Interface</b>	Ethernet (TCP/IP)
<b>External dimensions</b>	VME2U, 40(W) x 262(H) x 187(D) (Unit: mm)
<b>Weight</b>	About 780g



**APV3304**  
4CH HV Power Supply Board  
VME type



Remote control application

\*Images is for illustration purpose.  
\*Please note that contents may change without prior notice.

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