High Voltage Supply Board

TechnoAP

APV3304GS

This HV power supply board follows the VME form factor* and offers up to four independently controlled outputs.

Each channel features a bias shutdown function and can be remotely controlled via the included network application.

- HV1, HV2 connector : 5000V / 0.67mA
- HV3, HV4 connector : 4000V / 1mA

Ideal for low-ripple, high-performance, and centralized remote control of multiple units.

*Note: Not compatible with the VME bus.



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Features

HV1, HV2 connector	For high voltage applications such as Ge semiconductor detectors.
HV3, HV4 connector	For applications requiring current, such as scintillation detectors using photomultiplier tubes (PMT).

Specifications

Output Connector	SHV Connector Independent 4 systems
Output Voltage Output Current	HV1, HV2 connector : Maximum Rated Voltage: 5000V (Max.) Maximum Current: 0.67mA (Max.) HV1, HV2 connector : Maximum Rated Voltage:4000V (Max.) Maximum Current: 1mA (Max.)
Polarity	Depending on your order
Ripple	5mVp-p
Lamp Control	Set the voltage rise/fall rate (V/min) per minute from the included application.
Output LED	During Output: Green
Emergency Stop Button	Long press to force output OFF via hardware lamp control
External Control	Bias Shutdown Input
Output Voltage Limit	Rotary switch for maximum output voltage limit 0:OFF, 1:10% of rated output, 2:20% - 9:90%, 10 and above:100%
Communication	Ethernet, TCP/IP
Power Consumption	+5V(Maximum 1.0A), +12V(Maximum 0.96A), -12V(Maximum 0.1A), from VME Power Crate
Dimension・Weight	40(W)x262(H)x187(D) mm *excluding protrusions Approximately 780g
Application	Independent voltage/lamp control for each output terminal

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