

Overview

Experimental Physics and Industrial Control System

The APV3304 is a high voltage power supply board that can **control up to 4 channels independently of 2 width VME size**.

The polarity and voltage range of the output voltage can be customized for each channel according to the application.

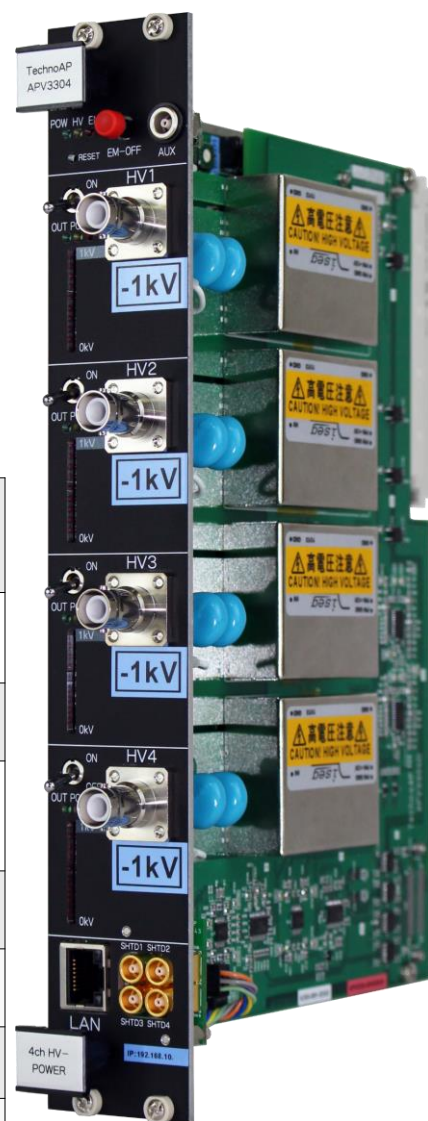
The output voltage can be selected from 1kV, 2kV, 3kV, 4kV and 5kV modules with positive or negative polarity.

It is equipped with an indicator that uses an LED array for the voltage monitor, a bias shutdown input terminal and an emergency stop switch as protection functions.

The output voltage can be controlled independently for each channel from the included application, making it ideal for remote control applications from remote locations.

Specifications

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



Screen of application software

Ideal for

Distributed Remote Control

Batch Remote Control

*Images is for illustration purpose.

*Please note that contents may change without prior notice.

TechnoAP Co., Ltd.

2976-15 Mawatari, Hitachinaka, Ibaraki, Japan

Postcode:312-0012 info@techno-ap.com

TEL:+81-29-350-8011 FAX: +81-29-352-9013



<http://www.techno-ap.com>



20221003