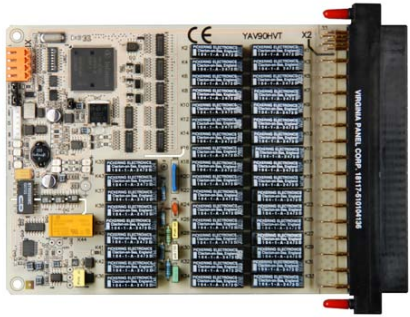


YAV90HVT

32-channel, High Voltage relays board



Features

- > 32 High voltage relays
- > 1KV switching, 3KV stand-off
- > 12 bit resolution 1500V isolated floating autorange True RMS DMM
- > 1 Analog Output, 2 Digital Outputs
- > 300VDC/300VAC CAT II
- > CAN bus controlled
- > Reliable VPC 90 series I/O connector

Applications

- > High voltage AC/DC voltmeter
- > Mains powered frequency inverters functional test
- > DC drives functional test
- > Hipot test: Cable harnesses, appliances

Specifications

> Relay characteristics

Number of channels	32
Relay type	32 SPST NO
Maximum stand-off voltage	3KV
Maximum switching voltage DC	1KV @ 25W
Maximum switching Current	1A
Coil resistance	3000 ohm
Max. Contact resistance (initial)	0,15 ohm

> Analog, Digital channels

Analog outputs	1 channel: PWM, 0..5V
Digital outputs	2 channels: PNP, max.50mA

> Power supply

Operative voltage range	20..29VDC
Max. 24V current requirement	100mA

> Physical

I/O connector	VPC TriPaddle, 96 Position 510104135. (37 pins used)
PCB tracks rated current	1A
Dimensions mm (HxL)	142x187

> Environment

Operating temperature	0 to 45 °C
Storage temperature	-20 to 70 °C
Relative humidity	10 to 90% relative humidity, noncondensing

Overview

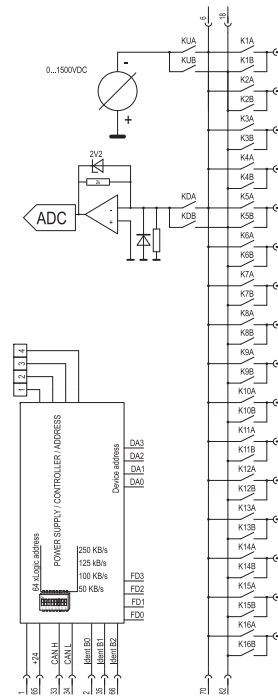
The YAV90HVT is used as an automatic CAN bus controlled isolated AC/DC true RMS digital volts/miliamps meter with built-in scanner, able to work directly in appliances and industrial mains powered electric/electronic equipment.

Its powerful microcontroller allows to work with the board as a distributed device able to data acquisition, compare and return high level messages, reducing test operation time.

The analog output is used as a set value for the optional high voltage programmable power supply.

The board uses Tripaddle connection modules and can operate stand alone or mounted on a standard Virginia Panel receiver.

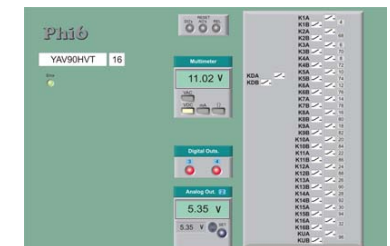
The supply includes National Instruments LabView virtual control panel and operating software for a true Plug & Play operation.



> YAV90HVT Pin Assignment



> P/N: H19004300. Hipot Testing Option Kit (1500VDC 10mA)



> YAV90HVT Software Virtual Panel