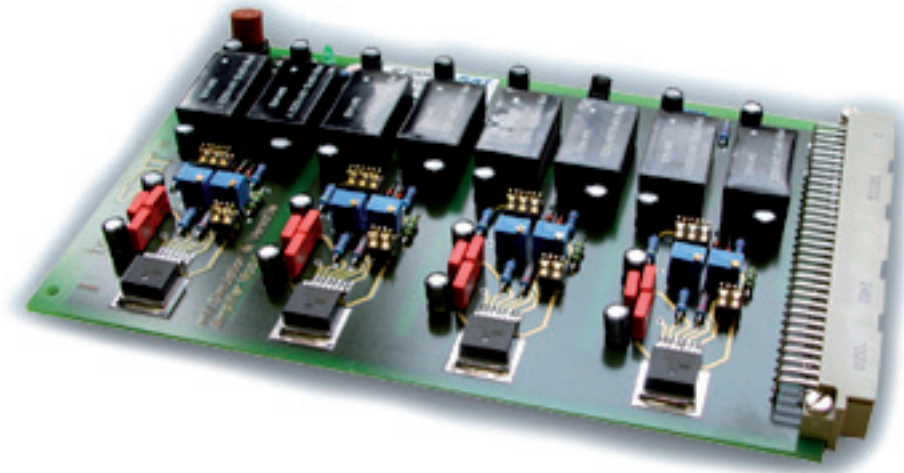


# VAM

## Versatile Amplifier Module mV Simulation – 4 Channels



- Medium precision attenuation / amplification
- Four (4) galvanically isolated channel design
- Input / output voltage range  $\pm 30$  V
- Jumper selectable attenuation or amplification ranges
  - Attenuation 50 : 1 or 3 : 1
  - Amplification 1 : 3 or 1 : 1.2



## VAM

### Versatile Amplifier Module

### mV Simulation – 4 Channels

#### Application Scope

The VAM is a general purpose amplifier module for medium precision (equivalent 12 bit) application in the range of  $\pm 28$  V. Typical applications are the simulation of DC supply levels or the feedback of UUT supply signals into ADS2 ADC with a typical range of 0 ... 10 V.

#### Feature Highlights

- > Up to four (4) channels
- > Medium precision attenuation or amplification
- > Input and output under full control of ADS2 (level and frequency)
- > Output range  $\pm 28$  V, input range  $\pm 35$  V (attenuation mode only)
- > Output can be protected against false polarity (unipolar operation)
- > Output current limited
- > Fully galvanically isolated design
- > Guaranteed bandwidth of 2 kHz
- > Jumper selectable preset attenuation or amplification modes
- > Trimmable I/O ratio

#### Operational Modes

The VAM may be used to read typical power voltage levels into ADS2 utilizing standard 10 V range ADCs. In addition the VAM can be configured to protect the ADC from negative voltages. To simulate power sense lines the VAM can be configured to source Output voltages up to  $\pm 28$  V.