

# Analog Amplifier AM6501

## Product Details and Specifications

Bertec's amplifiers are designed for use with our line of force plates and force transducers. Their solid construction will handle the rigors of any application as our products are used internationally in research, clinical, and industrial facilities. The AM6501 amplifier has a digital input and provides an analog output with fixed gain (gain=1) to allow immediate data collection.



### Unique Features

- Crosstalk-free calibrated outputs
- 6 channels of +/- 5 V OR +/- 10 V analog output
- Mains powers 100–250V, 50–60Hz
- 30ppm accurate digital gain ratios and 50ppm accurate analog output autozero

### Design

The AM6501 amplifier takes the digital output of the force transducer and converts it to an analog output. The digital input is a female 9-pin D-Sub connector; whereas, the analog output is a female 15-pin D-Sub connector (see pin assignment). The six output channels provide an analog signal in the range of  $\pm 5V$  or  $\pm 10V$ . Six analog scale factors are provided with the force plate to convert the analog signals to force and moment units. The auto zero button on the front panel is utilized to remove tare load offset.

