

ANALOG AMPLIFIER AM6504

Product Details and Specifications

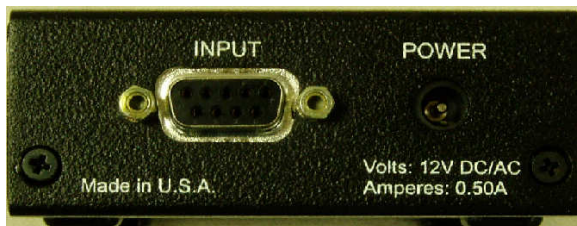


Applications

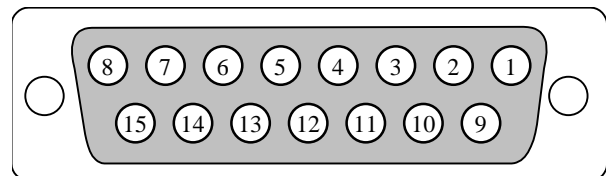
Bertec Corporation's amplifiers are designed for use with our line of force plates and force transducers. Their solid construction will handle the rigors of any application as our products are used internationally in research, clinical, and industrial facilities. The AM6504 amplifier has a digital input and provides an analog output with selectable gains to offer flexibility at a reasonable cost.

Design

The AM6504 amplifier uses the digital input to produce an analog output. The gain of the analog output is user selectable, and has four different settings (1,2,5,10). Gain selection switches are provided in the top panel. 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 $\pm 5V$. Six analog scale factors are provided with the force plate to convert the analog signals to force and moment units. The auto zero button is utilized to remove tare load offset for each channel output. The main power input is a universal input with the range 90-250V, 50-60Hz.



Back Panel



CH1:Pin3, CH2:Pin4, CH3:Pin5, CH4:Pin6, CH5:Pin7,
CH6:Pin8, GRND:Pin10, Autozero:Pin9

At Bertec, our aim is to provide the variety that you want with the quality you deserve.

See the back for more details.

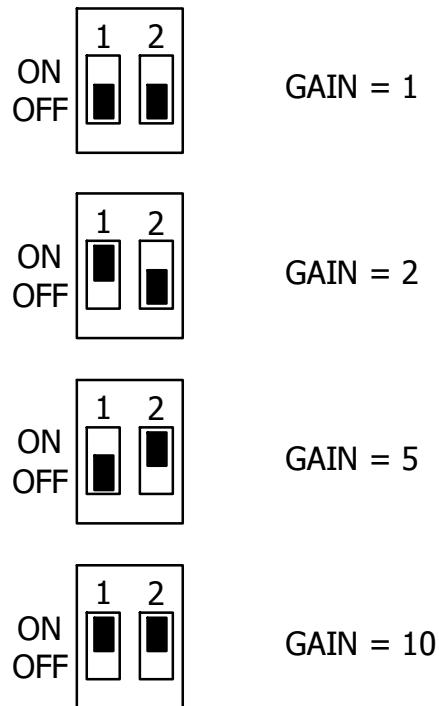


ANALOG AMPLIFIER AM6504
Product Information



Product Features

- Crosstalk-free calibrated outputs
- 6 channels of $\pm 5V$ full-scale analog output
- 500Hz bandwidth (standard)
- End-to-end group delay is limited only by bandwidth
- 30ppm accurate digital gain ratios
- 50ppm accurate analog output auto-zero
- Sample rate output
- Mains powers 90-250V, 50-60Hz



Gain switch settings for AM6504

Note: The analog outputs provide calibrated full-scale outputs per rated load range of each channel of the attached transducer. For example: If the transducer has a $\pm 1000N$ load range in the Fz channel, the $-5.00V$ output on the Fz will correspond to a $-1000N$ load and $+5.00V$ corresponds to $+1000N$.