

FEATURES

- 1 to 3 channels in a single unit
- Optional time mark generator

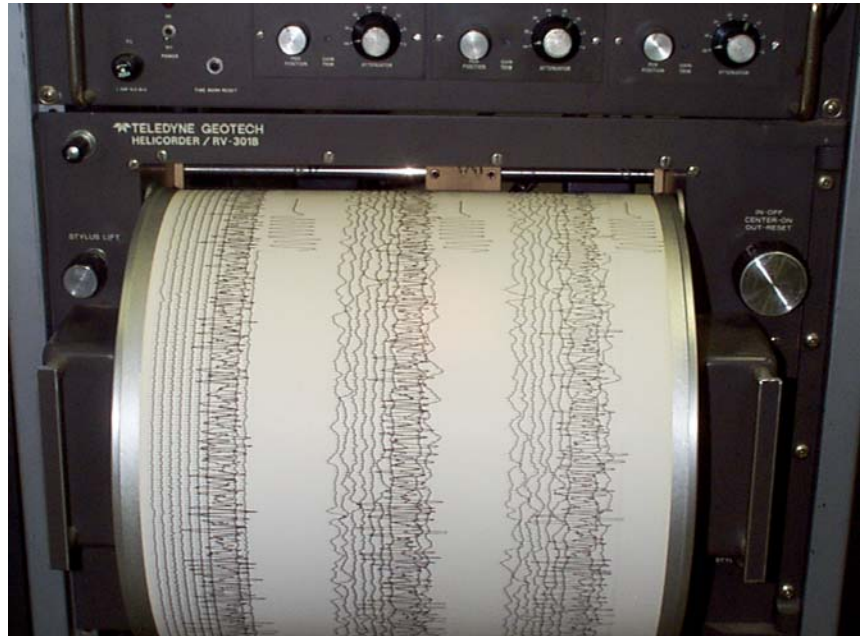
The Model AR-320B is a 1, 2, or 3 channel solid state amplifier designed to operate in conjunction with the Geotech Helicorder[®], Model RV-301B.

The basic amplifier is configured in a single channel unit, but will accept two additional amplifier modules for driving three pen versions of the Helicorder.

Each amplifier module contains two attenuators, one is continuously variable and the other is variable in 6 dB steps from zero to 36 dB. The unit will operate on 115 Vac, 50/60 Hz, or ± 12 Vdc.

A power conditioning module is recommended at locations where the main frequency can vary. Any commercially available unit can be used, and Geotech Instruments can deliver one on request.

HELICORDER[®] AMPLIFIER MODEL AR-320B



HELICORDER AMPLIFIER MODEL AR-320B SPECIFICATIONS

OPERATING CHARACTERISTICS – AR-320B

Input Type	Balanced or single ended	Optional Time Mark Generator	TCXO oscillator with ± 1 ppm between 0 and 55 deg C; Program with hour mark 2 s, minute mark 1 s, and 10 second mark 0.25 s duration.
Input Impedance	2 Mohm (balanced)		
Maximum Voltage Input	36 Vp-p (balanced) 20 Vp-p (single ended)		
Output Type	Single ended (bipolar)	Controls	Power On/Off Attenuation in 6 dB steps Time Mark Amplitude Pen Position
Output Impedance	15 ohm, nominal		
Output Current	± 600 mA, maximum	Dimensions	
Linearity	1% of best straight line	Height	8.8 cm (3.5 in)
Frequency Response	Flat ± 1 dB from dc to 20 Hz	Width	48.3 cm (19 in)
Dynamic Range	40 dB	Depth	33 cm (13.1 in)
Voltage Gain	1 to 50 into 50 ohm load		
Power Consumption	250 mA @ 115 VAC 105 mA @ 220 VAC ± 600 mA @ 12VDC		