

Amplifier Serie PT AMP X-Y

The amplifier series is designed for driving piezoelectric devices. The preferred loads are low voltage multilayer actuators. To operate, the amplifier must be connected to a galvanically insulated external power supply. For operation, the signal source must be connected to the amplifier's input BNC connector socket. The amplifier's output (red BNC connector socket) must be connected to the piezo stack (load).

- Standard Amplifier Voltage Output range -30 Volt to + 150 Volt
- Custom Amplifier Voltage Output range -X Volt to + Y Volt
- Customized versions are available on request.
- Example PT AMP 150 – 150 with an output range of -150 V to + 150 V. (Cryo Applications)

Please find below a list of options available to you. Strain Gauge Amplifier and Readout, custom modifications available. Should you require a bespoke solution, please do not hesitate to contact PiezoTECHNICS.

Cautions:

- It is important to ensure that the amplifier voltage output range does not exceed the rated stack voltage.
- Connect the external power supply plug (24 V) and ensure proper cable wiring.



Specifications

PT-AMP-x-y series	Universal Single Channel Piezo Driver	
Output-Voltage	- x to + y Volt Standard -30 to +150 Volt	
Gain	20	
Noise, Output	0.2 mV _{RMS}	
Max. current	100 mA peak, continuous	
Protection	Short Circuit, Over-temperature	
Supply-Voltage	24 V	
Analog Input	BNC chrome	
Piezo Output	BNC red	
Plug, Power Supply	24 VDC, 5,5mm x 2,1mm	
Power Supply	External 24 VDC Plug AC/DC converter included	
Working-Temperature	-5 to 50 °C	
Enclosure	Table-top	
Dimensions	160 mm length, 120 mm width, 45 mm height	
Standards	Safety EN 61010-1:2010 EMC: EN 61326-1:2013 RoHS: EN 50581:2012	