

## Amplifier Serie PT AMP X-Y

The intended use of the amplifier series is to drive piezoelectric devices. The preferred loads are low voltage multilayer actuators.

The device has to be connected with a galvanically insulated external power supply. For operation, the signal source has to be connected with the input BNC connector socket. The amplifier output (red BNC connector socket) has to be connected with 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)

Options: Strain Gauge Amplifier and Readout, High Performance digitizer electronics upgrade for Labview control systems. USB-Interface. Please contact PiezoTECHNICS for your special needs.

### Cautions:

- Make sure the amplifier voltage output range does not exceed the rated stack voltage.
- Apply the external power supply plug (24 V) and install properly 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	30
Offset-Adjustment	Potentiometer
Noise, Output	0.2 mV
Max. Current continuous	100 mA
Protection	Short Circuit Proof
Supply-Voltage	24 V
Analog Input	BNC chrom
Piezo Output	BNC red
Plug, Power-Supply	24VDC, 5,5mm x 2,1mm
Output Offset	Optional, Potentiometer
Power Supply	External 24 VDC Plug AC/DC converter included
Working-Temperature	-5 to 50 degree Celsius
Enclosure	Table-top
Dimensions	160 length, 120 mm width, 45 mm height
Standards	Safety EN 61010-1:2010 EMC: EN 61326-1:2013 RoHS: EN 50581:2012