

# PICA Piezo Amplifier

For Piezo Systems and Actuators, up to 3 Channels



## E-464

- 3 powerful channels
- Peak power  $3 \times 25 \text{ W}$
- Output voltage range 0 to 1100 V
- 3 LED displays

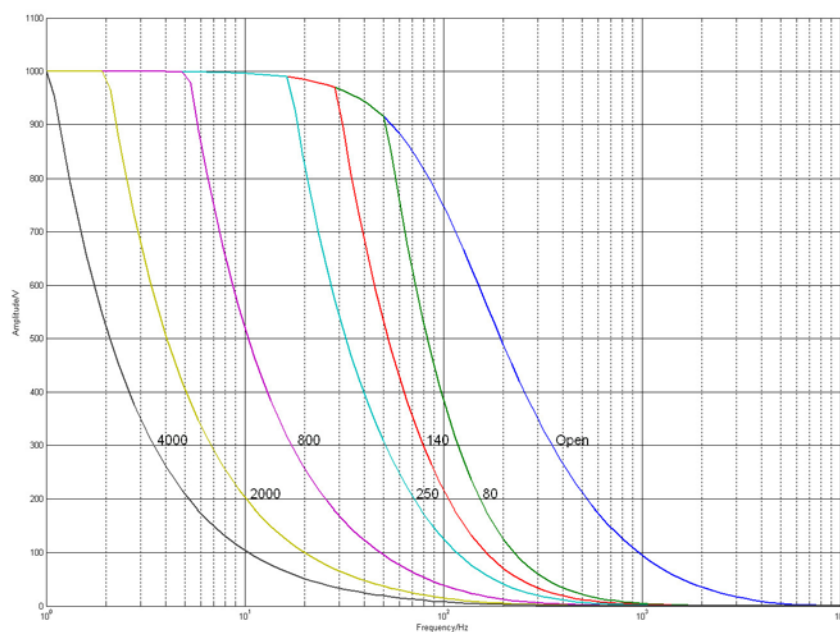
## Specifications

	E-464.00
Function	Power amplifier for PICA high-voltage piezo actuators
<b>Amplifier</b>	<b>E-464.00</b>
Output voltage	0 to 1100 V
Amplifier channels	3
Average output power per channel	>3.5 W (max. 12 W for single-channel operation)
Peak power per channel, <5 ms	25 W
Average output current per channel	>3.5 mA (max. 12 W for single-channel operation)
Peak current per channel, <5 ms	25 mA
Amplifier bandwidth, small signal	1 kHz
Amplifier bandwidth, large signal	3.5 Hz (660 nF); 35 Hz (70 nF)
Ripple, noise, 0 to 100 kHz	5 mV <sub>rms</sub> <50 mV <sub>pp</sub> (100 nF)
Current limitation	Short-circuit proof
Voltage gain	100 ±1
Input impedance	100 kΩ
Input voltage range	0 to 11 V

Interfaces and operation	E-464.00
Piezo connection	3 × LEMO EGG.0B.701.CJL1173
Analog input	3 × BNC
DC offset setting	3 × 10-turn potentiometer, adds 0 to 10 V to the input voltage
Display and indicators	3 × 3½-digit LED display
Miscellaneous	E-464.00
Operating voltage	100 to 120 or 220 to 240 V AC, selectable (fuse change required)
Power consumption	65 VA
Operating temperature range	5 to 50 °C (above 40 °C, power derated)
Mass	4.3 kg
Dimensions	236 mm × 88 mm × 273 mm + handles

Ask about customized versions.

## Drawings / Images



*E-464.00: Operating limits with various piezo loads, capacitance values in nF*

## Ordering Information

### E-464.00

HVPZT piezo amplifier, 3 channels, 1100 V voltage range, benchtop device