

3-Channel Piezo Amplifier

For Open-Loop Piezo Systems and Actuators without Position Sensors



E-663

- 3 independent channels
- Peak power $3 \times 14 \text{ W}$
- 3 LED displays
- Output voltage range -20 to 120 V

3-channel amplifier for low-volt piezo actuators

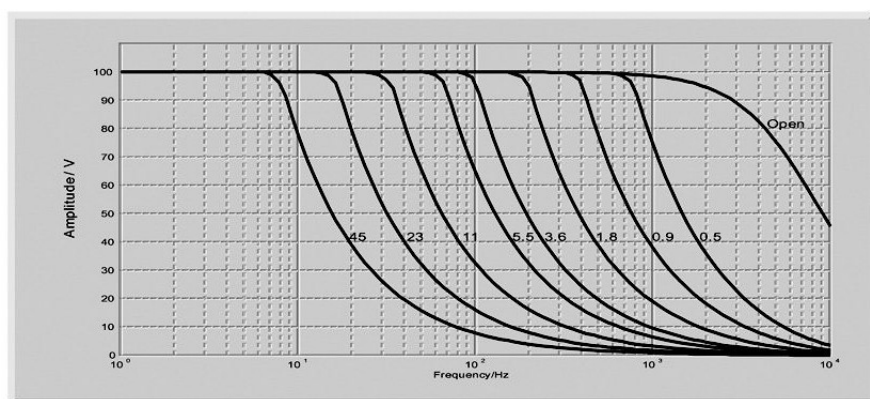
The E-663.00 benchtop amplifier has three low-noise amplifier channels for low-volt piezo actuators that input and output peak currents of 140 mA in a voltage range of -20 to +120 V. Three 3½-digit LED displays are available for showing the output voltages.

Specifications

E-663.00	
Function	Power amplifier
Channels	3 (max.)
Amplifier	
Input voltage range	-2 to +12 V
Output voltage	-20 to +120 V
Peak power / channel	14 W
Average output power / channel	6 W (max.)
Peak current / channel <5 ms	140 mA
Average output current / channel, > 5 ms	60 mA
Current limitation	Short-circuit proof
Noise, 0 to 100 kHz	<1 mV _{rms} <10 mV _{pp}
Voltage gain	10 ±0.1
Input impedance	100 kΩ
Interfaces and operation	
Piezo connection socket	3 × LEMO ERA.00.250.CTL
Analog input socket	3 × BNC
Display and indicators	3 × 3 1/2 -digits, LED
DC offset setting	3 × 10-turn potentiometer, adds 0 to 10 V to the input voltage
Miscellaneous	
Operating voltage	90-120 / 220-240 VAC, 50-60 Hz (linear power adapter)
Max. power consumption	60 W
Operating temperature range	5 to +50 °C
Mass	4.6 kg
Dimensions	236 mm × 88 mm × 273 mm + handles

Ask about custom designs!

Drawings / Images



E-663.00: Operating limits (open loop) with various capacitive loads, capacitance values in μF

Ordering Information

E-663.00

Piezo amplifier, 3 channels, -20 to 120 V, benchtop device