

ABOUT HPOWER

hpower actuators combine fastest response times in μs , superior kHz dynamics, high force generation in the range of tens of kN and nanometer precision in a way that is unmatched by any other linear driving system. The actuation can be obtained without any mechanical wear, making the actuators extremely durable. hpower products include ring and stack type actuators, as well as shakers, shock generators and high power amplifiers. hpower is the result of the collaboration between piezosystem jena and Piezomechanik GmbH and therefore combines centuries of piezo expertise with new innovations.

HPOWER AMPLIFIER LE 1000/035

Analog power amplifier with 350mA
output current



analog amplifier LE 1000/035

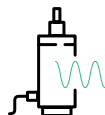
Concept

The power amplifier **LE 1000/035** is specially designed to be used with hpower actuators or other capacitive loads at high working frequencies. The power amplifier **LE 1000/035** has an idle bandwidth of 5000 Hz with an output current of 350 mA.

Product highlights

- high bandwidth amplifier combining high voltage and current for dynamic operations
- high power for small and midsize actuators
- output current: 350 mA
- output voltage: 0 ... 1000 V
- noise \approx 200 mVpp
- bandwidth 5,000 Hz

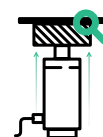
Applications:



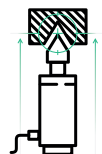
MODAL
ANALYSIS



VIBRATION
CONTROL



MATERIAL
TESTING



MECHANICAL
ENGINEERING

Technical data of LE 1000/035

	unit	LE 1000/035
output		
voltage range	V	0 ... +1000
DC-offset range	V	0 ... +1000
gain	-	100
max. output current	mA	350
signal noise	mVpp	≈ 200 (depends on the capacity of the load)
plug	-	D-SUB 5W1
input		
voltage range	V	0 ... +10
plug	-	BNC
monitor output		
voltage range	V	0 ... +10
plug	-	BNC
voltage supply		
mains voltage	V AC	230 ± 10% @ 50/60 Hz
power switch	-	trigger switch/front panel
fuse	-	4 A, medium time-lag
LED's	-	HV: the high voltage output is activated IL: automated switching off of the voltage output because of overheat or overload
dimensions (w × d × h)	mm / "	260 × 270 × 210 / 10.5 × 11 × 8.5
weight	kg / lbs	6.5 / 14.5

Get in touch with **us**
and we will help configure
the best solution.

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