

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 150/100 EBW

Analog power amplifier with enhanced bandwidth (EBW)



analog amplifier LE 150/100 EBW

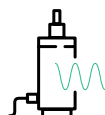
Concept

The power amplifier **LE 150/100 EBW** has an idle bandwidth of 70,000 Hz and 1 A output current. This amplifier is specially designed to be used with hpower actuators at highest working frequencies. The high bandwidth, high current and low noise features make it perfect for high-frequency vibration excitation testing and modal analysis.

Product highlights

- extreme high bandwidth amplifier
- high power for dynamic operations
- perfect for hpower shakers
- output current: 1 A
- output voltage: 0 ... 150 V
- noise \approx 15 mVpp
- bandwidth: 70,000 Hz

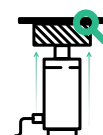
Applications:



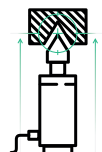
MODAL
ANALYSIS



VIBRATION
CONTROL



MATERIAL
TESTING



MECHANICAL
ENGINEERING

Technical data of LE 150/100 EBW

	unit	LE 150/100 EBW
output		
voltage range	V	0 ... +150
DC-offset range	V	0 ... +150
gain	-	max. 30
max. output current	A	1
signal noise	mVpp	≈ 15 (depends on the capacity of the load)
plug	-	BNC
input		
voltage range	V	0 ... +10
plug	-	BNC
monitor output		
voltage range	mV	0 ... +150
plug	-	BNC
voltage supply		
mains voltage	V AC	115/230 ± 10% @ 50/60 Hz (factory preset)
power switch	-	trigger switch/rear panel
fuse	-	4 A, medium time-lag
dimensions (w × d × h)	mm / "	260 × 270 × 210 / 10 × 12.5 × 6.5
weight	kg / lbs	6.1 / 13.5

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

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