

## ABOUT HPOWER

hpower actuators combine fastest response times in  $\mu\text{s}$ , 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 SVR 1000/3

Analog amplifier with voltage range from  
-200 to +1000 V



analog amplifier SVR 1000/3

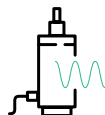
### Concept

The voltage amplifier **SVR 1000/3** is specially designed to be used with hpower actuators or other capacitive loads in a semi bipolar manner. In this operating mode, the actuators can generate  $\approx 30\%$  more elongation because of the voltage range from -200 to +1000V. **SVR 1000/3** is well suited for static and quasi-static applications.

### Product highlights

- for static and quasi-static applications
- three channel amplifier
- output current: 8 mA
- output voltage: -200 ... 1000 V
- noise  $\leq 1\text{m Vpp}$
- bandwidth: 10000 Hz

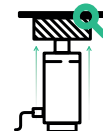
### Applications:



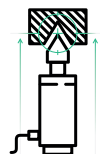
MODAL  
ANALYSIS



VIBRATION  
CONTROL



MATERIAL  
TESTING



MECHANICAL  
ENGINEERING

## Technical data of SVR 1000/3

	unit	SVR 1000/3
<b>output</b>		
voltage range	V	-200 ... +1000
DC-offset range	V	-200 ... +1000
gain	-	100
max. output current	mA	8
signal noise	mVpp	≈ 2 (with capacitive loads ≥100 nF)
plug	-	D-SUB 5W1
<b>input</b>		
voltage range	V	-2 ... +10
input resistance	kΩ	10
plug	-	BNC
<b>monitor output</b>		
voltage range	V	-2 ... +10
plug	-	BNC
<b>voltage supply</b>		
mains voltage	V AC	230/115 ± 10% @ 50/60 Hz
power switch	-	trigger switch / rear side
fuse	-	0.4 @230V (slow blow) / 0.8 @ 115V (slow blow)
dimensions (w × d × h)	mm / "	225 × 330 × 160 / 9 × 13 × 6.3
weight	kg / lbs	4.8 / 10.6

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

phone: +1 508-381-0425 (USA) +49 3641 6688-38 (GERMANY)

fax: +1 508-634-6868 (USA) +49 3641 6688-66 (GERMANY)

e-mail: [givememore@hpowermotion.com](mailto:givememore@hpowermotion.com)