

## SVR 1000

### *Piezocomposite analog amplifier*

#### **Concept:**

The voltage amplifiers of the series **SVR1000** are special designed for the use with Piezocomposite Actuators and other capacitive loads in a semi bipolar manner. In this operating mode one can generate  $\approx 30\%$  more elongation because of the voltage range from  $-200$  to  $+1000$  V.

#### **Specials:**

The output voltage can be set manual or via an external signal source throughout the whole range. The adjusted voltage is shown on the display.

#### **Mounting:**

The amplifiers are available as desktop unit as single or three channel version.



Image: SVR 1000/3 and SVR1000/1

#### *Product highlights:*

- Voltage range  $-200$  to  $+1000$  V
- Noise  $\leq 1$  mV<sub>pp</sub>
- Continuous current 8 mA

#### *Application examples:*

- Material testing
- Positioning tasks

## SVR 1000

### Technical data

	unit	SVR 1000/1	SVR 1000/3
<b>output</b>			
voltage	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% @ 50/60Hz (preset from factory)	
power switch	-	trigger switch (rear side)	
fuse	A	0.4 @230V (slow blow)/0.8 @ 115V (slow blow)	
dimensions (w x d x h)	mm/"	210x250x90/8.3x10x3.5	225x330x160/9x13x6.3
weight	kg/lbs	2.8/6.2	4.8/10.6

## SVR 1000

Frequency response:

