

RCV 1000/7

Switching amplifier with 7A output current

Concept:

The switching amplifier **RCV 1000/7** is specially designed for the use with Piezocomposite Actuators or other capacitive loads with at least **2 μ F** capacitance. With an output power of **7 kW** it provides highest performance for dynamic applications.

Specials:

The switching amplifier **RCV 1000/7** operates as an amplifier with energy recovery. This amplifier principle is especially suited to control high power during dynamic operation. An actuator-amplifier-system of this kind is more efficient than one with an analog amplifier.



Image: RCV 1000/7

Product highlights:

- Highest power for dynamic operations
- Output current 7 A

Application examples:

- Vibration excitation with very high dynamics
- Testing
- Modal analyses

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Technical data

	unit	RCV1000/7
output		
voltage	V	0... +1000
DC-offset range	V	0... +1000
gain	-	100
max. output current	A	7
signal noise	V _{PP}	≤2 (depends on the capacity of the load)
plug	-	D-SUB 5W1
input		
voltage range	V	0... +10
input resistance	kΩ	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	-	2 micro fuses 5 x20 anti-surge fuse means 5 A integrated into main socket
LED's	-	HV : the high voltage output is activated IL: automated switching off of the voltage output because of overheat or overload shortage: automated switching off of the voltage output because of short circuit
dimensions (w x d x h)	mm/"	340x440x230/13.5x17.3x9
weight	kg/lbs	16.5/36.5