

PosiCon 1000

Voltage amplifier with integrated position control

Concept:

The **PosiCon 1000** is designed for the use with Piezocomposite Actuators with position control.

Specials:

The **PosiCon 1000** has an integrated SG-amplifier. Piezocomposite Actuators with a SG sensor can be driven with position control. If the feedback-system is turned off Piezocomposite Actuators without an SG sensor can also be driven with the **PosiCon 1000**.

Mounting:

The **PosiCon 1000** comes as single- respectively three-channel version. Booth the sensor and the piezo voltage signal can be recorded via a BNC plug on the front respectively rear side.



Image: PosiCon 1000/3

Product highlights:

- Position control
- Output current 8 mA
- Noise $\approx 1 \text{ mV}_{\text{pp}}$

Application examples:

- All kind of positioning tasks

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Technical data

	unit	PosiCon 1000/1	PosiCon 1000/3
output			
voltage	V	-200 ... +1000	
DC-offset range	V	-200 ... +1000	
gain	-	100 @ "att"="0.5"/200 @ "att"="1"	
max. output current	mA	8	
signal noise	mVPP	≈1 (with capacitive loads ≥100 nF)	
plug	-	D-Sub 5W1	
input			
voltage range	V	-2 ... +10 @ "att"="0.5"/-1 ... +5 @ "att"="1"	
input resistance	kΩ	10	
plug	-	BNC	
monitor output			
		sensor (front panel)	piezo voltage (rear panel)
voltage range	mV	0 ... +5	-2 ... +10
plug	-	BNC	
voltage supply			
mains voltage	V AC	230/115 ±10% @50/60 Hz (preset from factory)	
power switch	-	trigger switch (rear panel)	
fuse	-	800 @230V (long time lag)/800 @ 115V (long time lag)	
dimensions (w x d x h)	mm/"	260x320x160/10.3x9.1x6.3	

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