

1 Channel | E01.B1

Piezo Servo Amplifier



Introduction

E01.B1 is a 1-channel power servo amplifier, its peak current is up to 1A, and bandwidth up to 10kHz.

Characteristics >>

- 1 channel
- Analog control
- Knob control
- Servo control

Applications >>

- Driving piezo actuator
- Driving piezo nanopositioning stage
- Driving piezo objective scanner
- Driving piezo shifter
- Driving FTS fast tool positioner
- Driving piezo scanning platform
- Driving capacitive load



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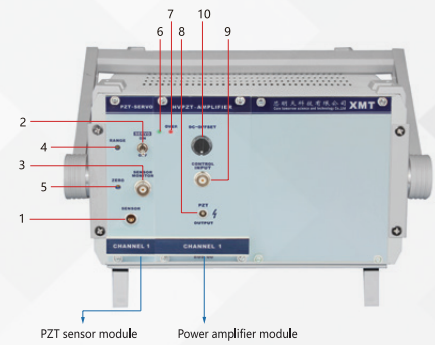
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Technical Data >>

Types		E01.B1 (E05 module)
Power amplifier module	Channels	1
	Control analog input	-1.67~10V (Optional 0~5V)
	Output voltage	-20~120V (Optional -20~150V)
	Ripple	5mV
	Voltage stability	< 0.1%F.S./8hours
	Input impedance	100KΩ±20%
	Bandwidth	10kHz (Optional 30k, 50kHz, etc.)
	Ave.current	291mA
	Peak current	1A
	Bandwidth (1/10 signal)	>20kHz
	Voltage gain	12
	Knob adjustment	10 turns
PZT sensor control module	Sensor type	SGS (Optional LVDT, CAP)
	Sensor channels	1
	Servo	Analog P-I+notch filter
	Sensor port	ERA.0S.304.CLL
	Sensor output port	BNC
	Output voltage	0~10V
	Operating temperature	0~50°C
Chassis & power supply module	Power supply	AC 220V±10%, 50Hz±10%
	Current limit	Short-circuited proof
	L×H×D	280×175×375mm
Function	Basic control way	Manual adjustment, analog control, Servo control

Panel Introduction >>

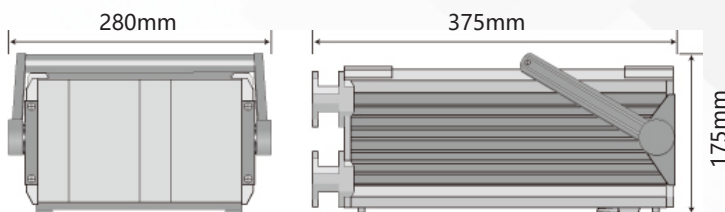


No.	Name	Functions
1	SENSOR	Sensor input
2	SERVO ON/OFF	Open-loop /servo-control switch
3	SENSOR MONITOR	Sensor output
4	RANGE	Range adjustment of sensor output signal
5	ZERO	Zeroing of sensor output signal
6	POWER	Power indicator
7	OVER	Overcurrent indicator
8	PZT OUTPUT	High voltage output
9	CONTROL INPUT	Analog signal input
10	DC-OFFSET	DC output voltage adjustment knob



No.	Name
11	Power cord socket
12	Power Switch

Drawing >>



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