

# 1 Channel | E80.B1S-H Piezo Controller



## Characteristics >>

- Single channel
- Open-loop/servo control
- Analog signal control
- -20 to 150V output

## 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

## Introduction

E80.B1S-H is a one-channel and servo piezo controller, its output voltage is up to -20V to 150V, and the output voltage is controlled by analog input voltage.



**Harbin Core Tomorrow Science & Technology Co., Ltd.**

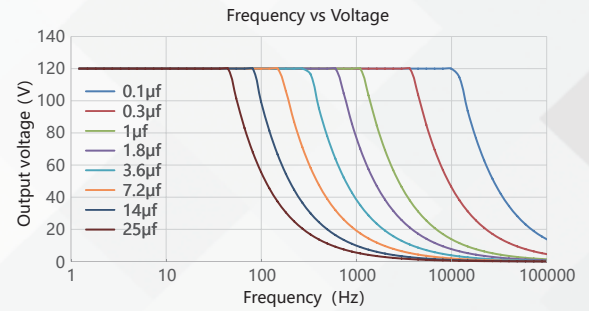
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## Technical Data >>

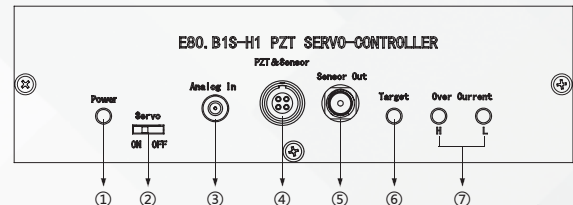
Type	E80.B1S-H
Function	Piezo controller
Channels	1
Sensor type	SGS
Servo	Analog P-I
Analog input voltage(V)	-1.33 to 10
Output voltage range(V)	-20 to 150
Peak current(mA)	1000
Ave. current(mA)	230
Bandwidth(Hz)	10k
Ripple(mVpp)	10
Proof	Over current
Operating temperature(°C)	-40 to 65
Power supply	24V/5A
Size (mm)	125×110×35
Mass(g)	600

## Curves >>



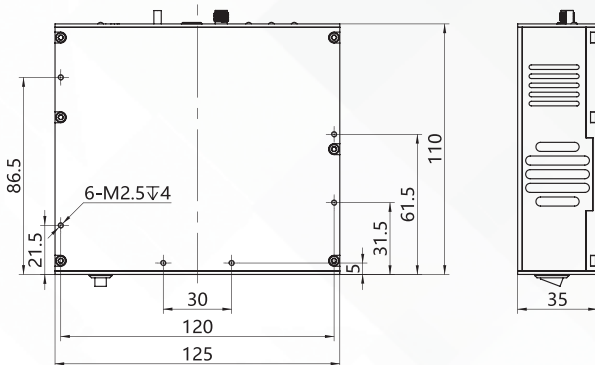
Disclaimer: The data here are typical, only for reference. Some variations will occur for different batch.

## Panel Introduction >>

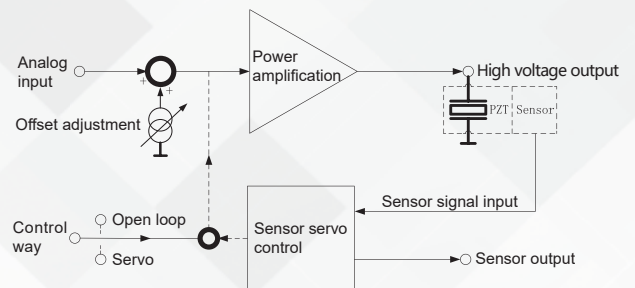


Item No.	Function
①	Power indicator, it lights when power on
②	Open-loop/servo control switch, on:servo, off:open loop
③	Analog signal input
④	Voltage output and sensor input
⑤	Sensor output, outputting voltage signal
⑥	Servo indicator, it lights when fail to switch to servo condition
⑦	Over-current indicator, H lights when positive voltage over flow, L lights when negative voltage over flow

## Drawing >>



## Driving Principle >>



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