

1 Channel | E50.S1AL

Piezo Controller



Introduction

E50.S1AL piezoelectric controller is a small-volume single channel piezo driver with -20~120V output voltage and open-loop/servo control.

Characteristics >>

- 1 channel
- Small size
- Output -20~120V
- Servo or open-loop 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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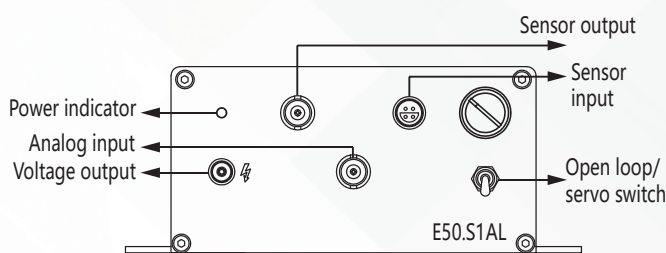
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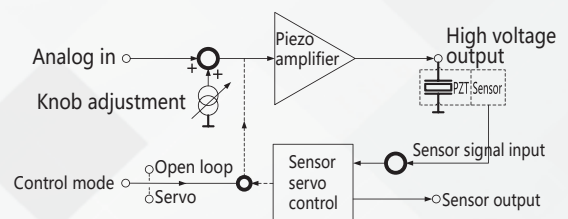
Technical Data >>

Type	E51.S1AL
Functions	Analog servo controller
Output channels	1
Control analog input(V)	-1.67~10
Output voltage range(V)	-20~120
Peak current(mA)	165
Ave. current(mA)	50
Bandwidth(kHz)	8
Output ripple(mVpp)	<5
PZT output connector	ERA.00.250.CLL
Analog input connector	BNC-50KY female
Control mode	Analog input, knob adjustment
Sensor type	SGS
Servo characteristics	Analog P-I+notch filter
Sensor connector	ERA.05.304.CLL
Sensor monitoring connector	BNC-50KY female
Operating temperature(° C)	0~50
Size(mm)	L147× W61× D141
Mass(kg)	1.3
Power supply	220VAC 50Hz±10%

Panel Introduction >>



Driving Principle >>



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