

Piezo Linear Driver Controller



Features

- Self-locking interface quick plug
- Switchable open/closed-loop mode
- Panel adjust closed-loop bias
- Suitable for strain gauge sensors
- PI control and Notch Filter
- Temperature detection/output protection

Description

Used to drive and control piezo actuators, can achieve open-loop driving and servo closed-loop control with strain gauge sensors.

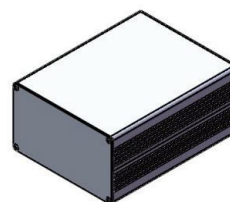
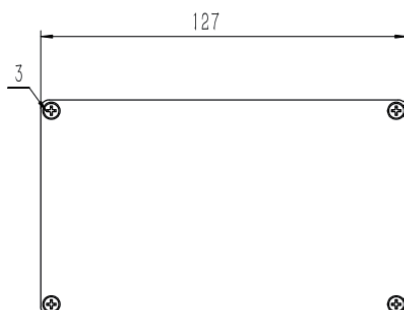
With built-in voltage limiting, current limiting, overheating, output and other multiple protection, as well as signal response delay, notch filtering, etc.

As a semiconductor device, it's recommended to heat more than 30min before use, in order to achieve a stable temperature state.

Applications

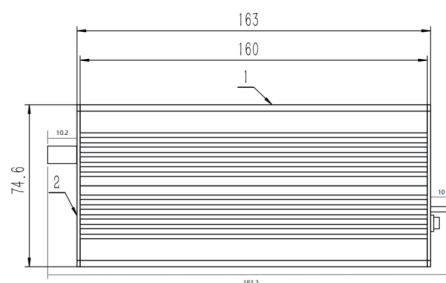
- Lens precision adjustment
- Precision semiconductor equipment
- Precision electron microscope adjustment
- Precision medical testing equipment

Interface Definition



Chassis size 163*127*74.6mm

Interface Definition(continued)



Applicable model: A-301.10, A-301.101 Dimensions: mm

Technical Specifications

Basics	A-301.101	Unit
Function	Analog single-channel piezoelectric linear drive controller, with SGS closed-loop	
Number of Channels	1	
Output voltage	-20~+150	V
Peak power / channel	40	W
Average output power / channel	13	W
Peak current / channel	276	mA
Average output current / channel	87	mA
Interfaces and operations		
Control interface	Analog voltage input: 0~10V	
Position monitoring interface	Analog voltage output: 0~10V	
PZT drive interface	LEMO EPL.00.250.NTN	
Sensor interface	LEMO EPL.0S.304.HLN	
Sensor type	Strain gauge sensor (SGS)	
Support function	Point-to-point motion	
Miscellaneous		
Operating voltage	DC24V	
Maximum power consumption	50	W
Operating temperature range	5~50	°C
Dimensions	183.2x127x74.6	mm×mm×mm
Net weight	0.87±0.1	Kg

Customization Information

A-301 Series Piezo Linear Controller

Type	Feature
A-301.10	1-Channel Piezo Linear Drive Controller; Open-Loop; Analog Control Interface
A-301.101	1-Channel Piezo Linear Drive Controller; SGS closed-Loop; Analog Control Interface