

# 2 Channels | E70.D2S/C2K-L Piezo Controller



## Characteristics >>

- 2 channels output
- Digital and analog piezo controller
- High bandwidth
- Low ripple, 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

## Introduction

The E70.D2S/C2K-L piezoelectric controller is a two-channel piezoelectric controller designed based on the standard E70 piezoelectric controller. It can carry out digital communication through serial port, USB or network port.



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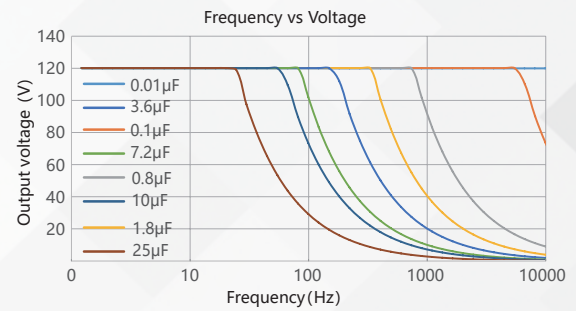
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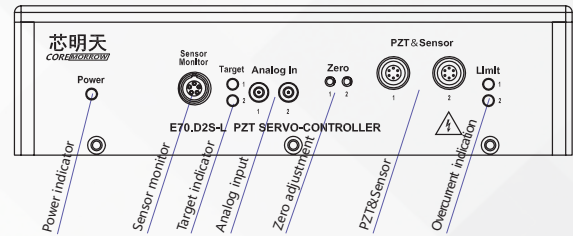
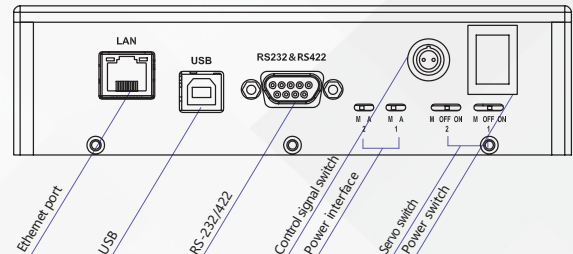
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**Technical Data >>**

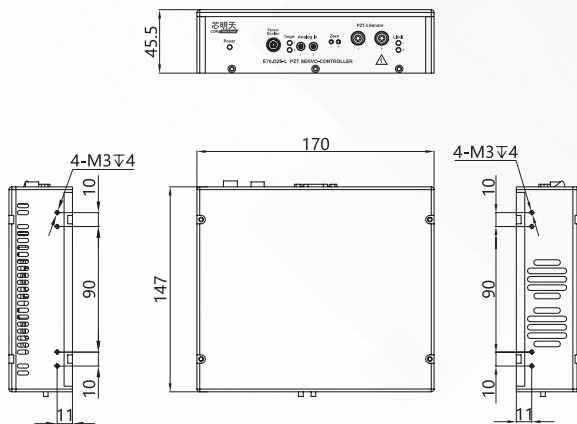
Type	E70.C2K-L	E70.D2S-L
Functions	Digital and analog piezo controller	
Channels	2	
Nominal analog input(V)	-1.67~10 (±10V for constant voltage version)	
Nominal output voltage(V)	-20~120(Optional -20~100/150 and, constant voltage)	
Input power(W)	56	
Peak current(A)	1.1/channel	
Ave. current(mA)	70/channel	
Bandwidth(Hz)	10k/channel	
Ripple(mV)	5/channel (2.2μF)	
PZT and sensor connector	ZCG.0B.306.CLLV	
Control input connector	SMB	
Sensor type	-	SGS
Servo	-	PI+Low pass+Notch filter
Sensor output voltage(V)	-	0~10(±10V for constant voltage version)
Sensor output connector	-	EPG.0B.304.HLN
Sensor output ripple(mV)	-	10
Communication	RS-232/422(DB9), USB-B,Ethernet	
Baud rate	9600、38400、57600、115200	
Settable baud rate for software secondary development	9600、19200、38400、57600、76800、115200、128000、230400、256000	
PC software control function	Output voltage & displacement, waveform control, setting parameters	
PC software waveform control	Programmable/standard waveform output	
Secondary development	VC++, Matlab, LabView, DLL dynamic link library functions, etc	
Operating temperature(° C)	0~50	
Over-current protection	Yes	
Static power(W)	11	
Cooling method	Fan	
Size(mm) (L×H×D)	147×170×45.5	
Mass(kg)	1.255	
Power supply	24V DC3A, DC-022B (ø2.5)	
Control way	Analog/digital signal	

**Curves >>**


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

**Panel Introduction >>**
**front panel**

**Rear panel**


Note: E70.C2K-L has no servo control function.

**Drawing >>**


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