

E71.D4E-H_3Channels_Piezo Motor Servo Controller Software

User Guide

1.Choose Control Interface >>

Piezo controller needs power-on self-test and other operations. It is recommended to connect the hardware device after the controller is powered on for 5 seconds.

Serial port control/RS-422 controller (USB to RS-422)

🔞 Piezo Motor Cor	_	\times	
	Piezo Motor Control		
Select Control:	Serial Port Control		
COM:	COM3		
Baud rate:	115200 🔻		
USB;	v		
	Scanning Device		
	Piezo Motor Control		

2.Click "Piezo Motor Control" >>>

🕡 Piezo Motor Co	_	×	
	Piezo Motor Control		
Select Control:	Serial Port Control		
COM: Baud rate:	COM3 ▼ 115200 ▼		
USB;	Scanning Device		
	Piezo Motor Control		



CoreMorrow Ltd.

 Tel: +86-451-86268790
 Email: info@coremorrow.com

 Fax: +86-451-86267847
 Web: www.coremorrow.com



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3.Absolute Position Control >>

Fill in the position information to be reached by piezo motor, and click "Absolute Position Control" button to complete the position control;

Stepping Displacement: The current millimeter data sending position, and accumulates the stepping displacement in micron or nanometer units.

Piezo Motor

0 0	mm um nm	Absolute Position Stepping Displacement Stepping Displacement	Stop	Zero Calibration	Set			
0.000000 Piezo Motor Absolute	mm Position	Read Position						
 -1.0mm				-1.0mm				
	mm um	Absolute Position Stepping Displacement	Stop	Zero Calibration	mm um	Absolute Position Stepping Displacement	Stop	Zero Calibration
	nm	Stepping Displacement		Return Zero	nm	Stepping Displacement		Return Zero
	mm	Read Position			mm	Read Position		
mm	osition			mm				mm

4.Read Position >>

5.Return Piezo Motor Absolute Position >>

Return absolute position information of the current piezo motor, in millimeters.

The slider displays the approximate information of piezo motor, leftmost position is the displacement negative end of the connected piezo motor; rightmost position is the stroke positive end of the connected piezo motor.

6.Stop>>

It means to stop the running operation of piezo motor. For example, the current position is 0, running to 3.0mm, if you encounter problems during operation, you can click the stop button to stop the running piezo motor.



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7.Zero Calibration >>

It indicates that piezo motor finds the absolute zero position of grating ruler, and returns to the absolute position before calibration after finding it.

8.Return Zero >>

It indicate that piezo motor returns to zero position, which is generally consistent with absolute zero position of grating ruler.

9.Set>>

Click "Set" button to pop up the device information window.

Basic Setting			×
Read Low Limit Position	-1.0000		1
Read High Limit Position	-1.0000	Default Setting	
zero calibration			
		Quit	



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