

32 Channels | E82.C32K

Piezo Amplifier



Characteristics >>

- 32 channels
- USB communication
- Bandwidth to 1kHz
- Support secondary development
- Ave.current to 13mA/channel

Applications >>

- Driving piezo actuator
- Driving FTS fast tool positioner
- Driving piezo nanopositioning stage
- Driving piezo scanning platform
- Driving piezo objective scanner
- Driving capacitive load
- Driving piezo shifter

Introduction

The 32-channel E82.C32K piezo amplifier has USB communication interface to realize real-time communication with the host computer. The 32-channel voltage output can be controlled by the upper computer, and the real-time voltage can be read through the AD. It supports the secondary development.



Harbin Core Tomorrow Science & Technology Co., Ltd.

Tel: +86-451-86268790

Email: info@coremorrow.com

Headquarters: Building I2, No.191 Xuefu Road, Nangang District, Harbin

Fax: +86-451-86267847

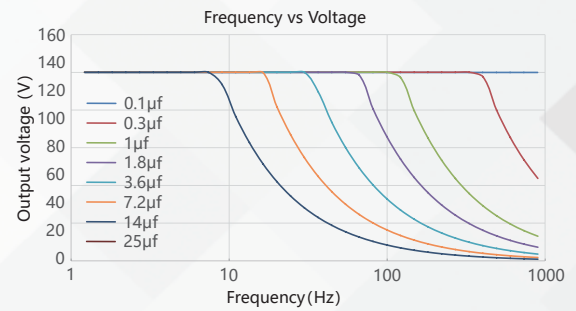
Web: www.coremorrow.com

Shanghai Office: Building 2, No.608 Shengxia Road, Pudong District, Shanghai

Technical Data >>

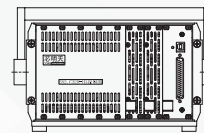
Types	E82.C32K
Function	Piezo Controller
Output voltage(V)	-20~100
Communication	USB-B
Peak current(mA)	170/channel
Ave. current(mA)	13/channel
Bandwidth(Hz)	1k/channel
Ripple(mVpp)	10/channel
Operating temperature(° C)	0~50
Over-temperature protection(° C)	70±5 stop working
Over-temperature protection recovery(° C)	60±5
Power supply	220VAC
PZT output connector	DB37
Size(mm)	280×370×175
Mass(kg)	12

Curves >>

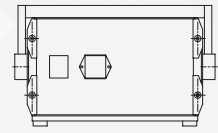


Disclaimer: The data here are typical, only for reference. Some variations will occur for different batch.

Panel Introduction >>



Front panel

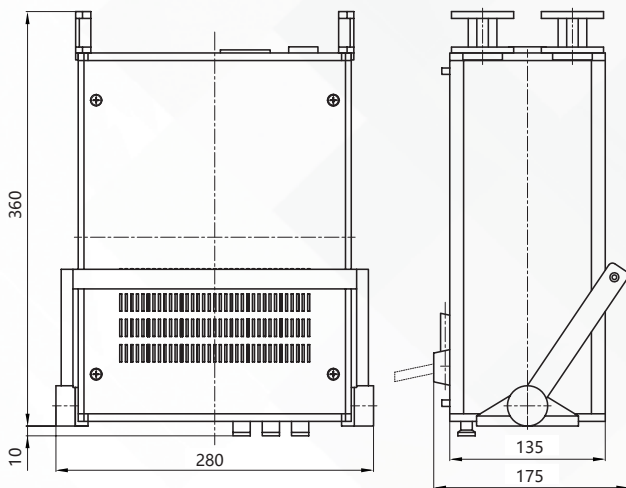


Rear panel

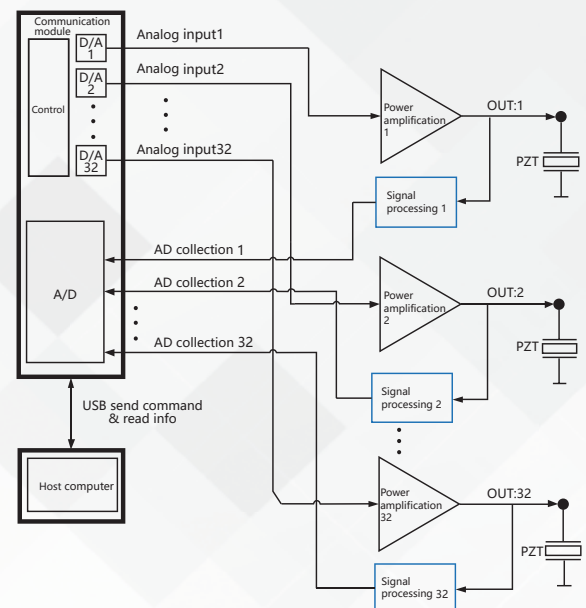
Identifier	Type	Front panel function
Power Indicator	LED	The light is always on, E82 works
Communication	USB	PC communication interface
Output ⚠	D-SUB 37 contacts	output terminal Output voltage signal

Identifier	Type	Rear panel function
Power outlet	AC-220A	Power connector socket
Rocker switch	KCD3-3104A	Power on and off

Drawing >>



Driving Principle >>



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