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series EDA – PC Interface

pic 1: EDA 5

Concept:

The EDA interface modules are universal I/O boards designed as a19“ slot card. The modules provide analog input and digital I/Os used for recording measurement signals or operating additional electronics. With additional software the programming of special scan functions is very easily.

The main advantages of these modules are the built-in micro-controller and a free programmable memory capacity. The microcontroller is capable of input and output procedures or voltage values programmed in the memory. The EDA modules can also work as a normal PC-line operated system directly from the PC.

Product Highlights:

- AD/DA interface boards
- 4 channel DAC
- 8 channel ADC
- 8 bit µP, 64 k RAM, 128k Flash on-board programmable
- comes with demo program for Windows
- easy access via terminal program

Application:

- PC control of analog amplifiers
- automatic process control
- PC independent system control

description		**EDA 4**	**EDA 5**
part no.:		**E-202-40**	**E-202-50**
type of interface		RS 232-C.	RS 232-C and IEEE 488.2
resolution		16 bit	16 bit
sample rate		32 ksamples/s	32 ksamples/s
number of analog	outputs	4	4
	inputs	4	4
number of digital	outputs	8 TTL (HCT573)	8 TTL (HCT573)
	inputs	8 as analog inputs 0…+5V, 10bit	8 as analog inputs 0…+5V, 10bit
output voltage range		0…+10V	0…+10V
modul-width		6TE	10TE

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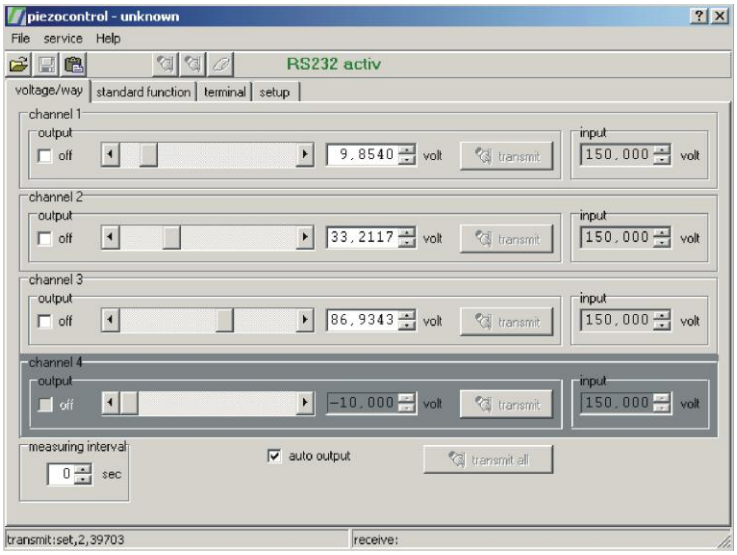
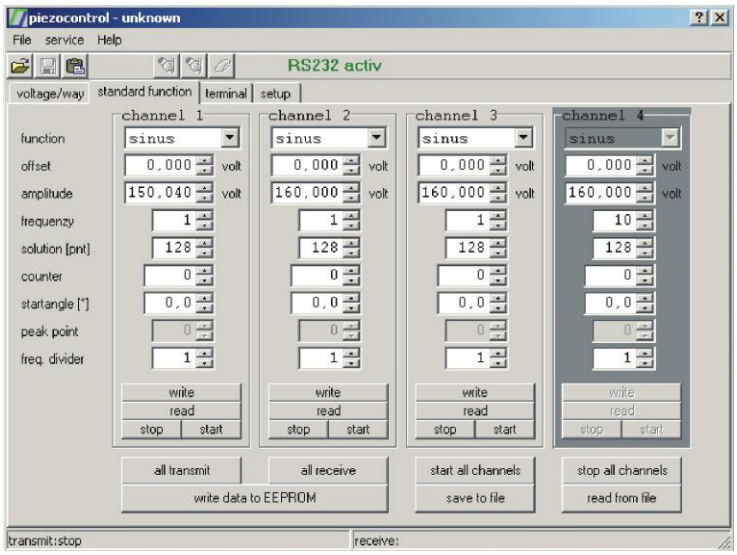
Software

The EDA interface boards have eight analog inputs and four analog outputs, as well as eight digital in- and outputs. It is well suited to the automation of positioning processes, the programming of specific scan functions, data acquisition and the control of any analog system.

The card comes with demo software providing different functions and a monitor program for monitoring the in- and output data.



pic. 2: Sample: Setting output voltage signal for 3 channels



pic. 3: Sample: Settings per channel