

## evaluation devices

### universal-counter UDA 500

#### features

- 5-digit 2,7" segment LCD graphical digital display
- display area from -32767 to +32767, decimal point programmable
- 7 different colour representations inclusive colour change by incident
- horizontal and vertical presentation
- linearization function with 16 steps
- universal power supply 24VAC/DC...230VAC/250VDC +/-15%
- universal input for resistance thermometer, thermocouples, voltage, power, potentiometer, linear resistances
- 2 programmable userinputs PNP
- galvanic disconnection between input/output and power supply
- power supply for 2-wire transmitter e.g. KMU100
- front programmable about 4 keys
- subsidiary text in parameterizing menu
- 2 relay outputs programmable closed or open
- 2 analog outputs (1 x 0...10VDC, 1 x 0/4...20mA)
- electrical connection with pluggable clamps

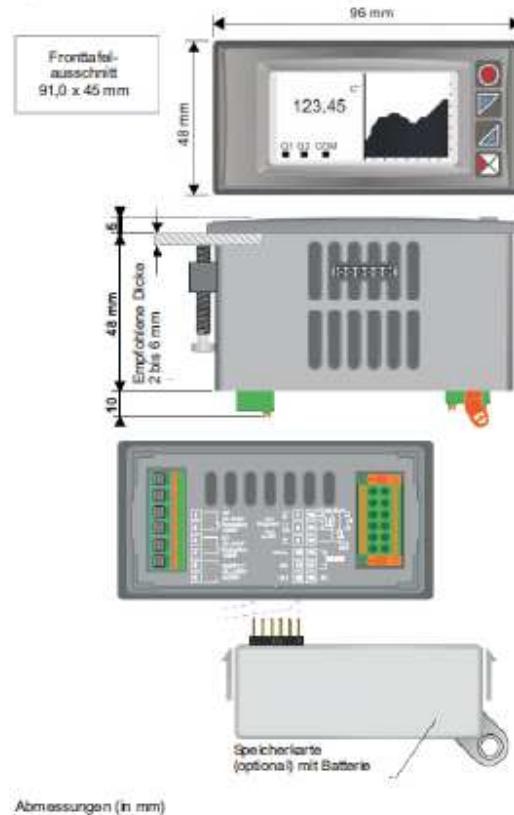
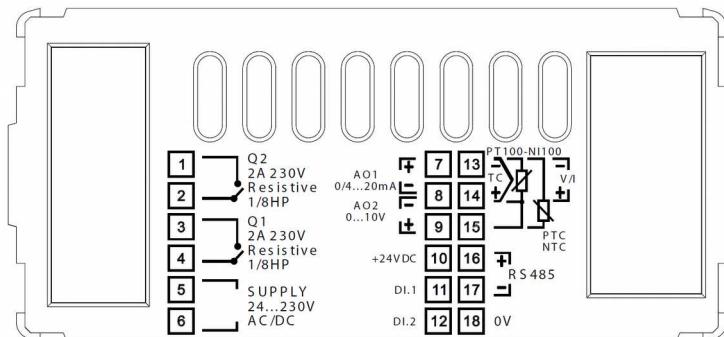
- equipment can be configurated in our calibration laboratory on request and/or for application at ISO9000 calibrated according to your specifications.



UDA 500-B-B-0

#### connection configuration

#### rear view



#### order-code UDA 500...

#### order example: UDA 500-B-B-0

#### limit values

-B with 2 limit values, 2 relays

#### analog output

-B with analog output 0...10VDC and 0/4-20mA

#### options

-0 IP54  
-1 IP65

## evaluation devices

### universal-digital display UDA 500

#### technical specifications

##### general data:

technical data apply to following temperature range:  
0°C...+45°C, rel. humidity 35%rF...95%rF

##### housing:

material	polycarbonat (PC)
protection class	back ABS front IP54 optional IP65
electrical connection	back IP20 pluggable screw terminals, deductible
weight	250 gram
housing dimensions	w 96mm x h48mm x d53mm without connecting terminals
panel cut-out	w 91mm x h45mm

##### electrical data:

universal supply voltage	24...230 VAC/DC +/-15%
current consumption max.	50...60 Hz
serial interface	6VA RS485 Modbus RTU Slave

##### display:

graphical display	2,7“ LCD
resolution	64 x 128 Pixel
colour display	red, green, blue, orange white, purple, light-blue
display scope	positive and negative display -32767...+32767
orientation	horizontal, vertical
type of display	digital, bargraph, trend
units	°C, °F, °K, V, mA, mBar, Bar, psi, mm, m, rpm, %rh, g, Kg, q, t, m/s, l/h

##### keyboard:

design	4 buttons for programming
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##### inputs:

measuring cycle	programmable up to 242Hz
accuracy	+/-0,2% +/- 1 digit

##### current input:

measuring range	0...20 und 4...20 mA
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##### voltage input:

measuring range 1	0...10VDC
measuring range 2	0...60mV

##### temperature:

resistance thermometer	PT100, PT500, PT1000
thermocouples	NI100, PTC1K, NTC10K
reference point	type K, S, R, J, T, E, N

##### resistance:

potentiometer	1KOhm...6/160KOhm
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##### user input:

Switch of PNP-signal with numerous features

##### linearization:

16 steps

##### outputs:

current output:	0/4...20 mA
resolution	16 Bit
accuracy	0,2% v. measuring range
voltage output	0...10VDC
resolution	16 Bit
accuracy	0,2% v. measuring range

##### relay outputs:

number	2
design	close / open programm
power	2 A bei 250VAC
design	ground separated

##### scope of delivery:

device, mounting material, seal, instruction manual