

## CUBE INSTRUCTION MANUAL

CUBE has four operating keys and the on/off key. The key (MENU) serves to select menu functions and to decrease the contrast when pushed together with the key (ZERO). The key (ZERO) serves to zero the measurements in the pressure gauge mode or to access the offset section of the menu in the other cases. The key (UNIT) changes the EU and pushed together with the key (ZERO) increases the contrast. The key (O) allows to switch the backlight on and off. The keys (ZERO <), (UNIT >) and (O Enter) are also used to navigate in the menu functions.



**The CUBE has the following functions:**

DECIMALS

Increase or decrease the number of digits  
RTD TYPE (only for RTD channel if available)  
 Select the type of RTD – Standard Pt100 IEC ask  
 CALREF for different type (max 8 types)

FILTER

Releases the following function:  
OFF/ON  
 Set the filter on and off  
RESET  
 Reset the filter  
WEIGHT  
 Sets the weight of the filter  
 (10...100%)

MAX-MIN RESET

Reset the Max- min values

OFFSET

Sets an offset as for actual measuring value

HALT

Froze the display at the actual measuring value

DISPLAY MODE

Sets the active channel on the display

LOG SAMPL TIME

Sets the sampling tome of the datalogger (up to  
 8 log in csv format downloadable by RS-232  
 port)

LOG TIME

Period in time of the log

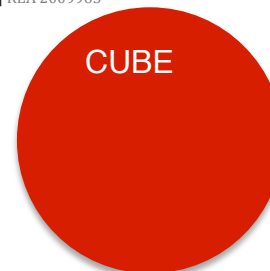
LOG SLOT

Software slot of the log recording (csv file)

LOG

Sets the LOG on and off (if the log is on a  
 blinking icons is shown on the screen while  
 recording)

continue...



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## BAUD RATE

Sets the Baud Rate if the serial communication (OFF-300-600-1200-2400-4800-9600-19200-38400-57600-115200 baud)

## SERIAL ADDR

Not used

## AUTO BKL-OFF

Sets on and off the auto-backlight-off to save battery time

## AUTO PWR-OFF

Sets on and off the auto-power-off to save battery life

## ATTENTION !

Before to configure a single channel use the DISPLAY MODE and select CH1 or CH2. The Configuration cannot be done if CH1+CH2 is the actual setting.

## Available engineering units

mbar, bar, Pa, hPa, kPa, MPa, kg/cm<sup>2</sup>, kg/m<sup>2</sup>, mmHg, cmHg, mHg, mmH<sub>2</sub>O, cmH<sub>2</sub>O, mH<sub>2</sub>O, torr, atm, psi, inHg, inH<sub>2</sub>O, ftH<sub>2</sub>O  
( Hg@0 °C; H2O @ 4°C; patm=101325 Pa)

F, °C, K

## General Safety Instruction

When installing and operating the CUBE, attention should be paid to the corresponding safety regulations.

On CUBE with pressure range use two wrenches to connect the pressure port (1/4" BSP F) in order to avoid damage to the sensor. The CUBE can be use w/o battery by using only the power supply adapter /e.g. panel mounting version). The standard supply is w/ four AAA rechargeable battery installed

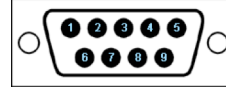
## Battery Life

When the battery starts weakening a low battery warning will appear on the display.

Please connect the CUBE to the power supply.

## RS232 Interface

At the back of the CUBE (D-series 9 pin)



2) RX            5) GND

3) TX

RS232 – USB Converter  
available on request

## PS Connector

At the back of the CUBE

9 Vdc – 600 mA PS  
connector

