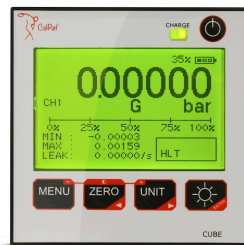# CUBE INSTRUCTION MANUAL

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

FREEZE
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)

CUBE

M-DGS-E-0614-1

CUBE INSTRUCTION MANUAL

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^2, kg/m^2, mmHg, cmHg, mHg, mmH_2O, cmH_2O, mH_2O, torr, atm, psi, inHg, inH_2O, ftH_2O
(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 (¼" 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
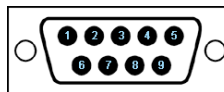
Battery Life
When the battery starts weakening a low battery warning will appear on the display.
Please connect the CUBE to the power supply.

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

M-DGS-E-0614-1

CUBE