CRP101 INSTRUCTION MANUAL

CRP101 has four operating keys and the on/off key. The key (MENU) serves to select and quit 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, to adjust the contrast and to scroll left in menu mode. 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 CRP101 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

USE BAROMETRIC (only with barometer)
If "ON" changes gauge to absolute in CH1. Attention!: G writing in the CH1 indicates the sensor type and not the measuring mode (see if g-->a flag in present in the state window to know if absolute measuring mode is active)

DISPLAY MODE (only for 2 channels unit)
Sets the active channel on the display

LOG SAMPL TIME
Sets the sampling time 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)

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<u>BAUD RATE</u>
Sets the Baud Rate if the serial communication (OFF-300-600-1200-2400-4800-9600-19200-38400-57600-115200 baud)

<u>SERIAL ADDR</u>
Not used (keep 1)

<u>AUTO BKL-OFF</u>
Sets on and off the auto-backlight-off to save battery time

<u>AUTO PWR-OFF</u>
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 CRP101, attention should be paid to the corresponding safety regulations.
On CRP101 with pressure range use two wrenches to connect the pressure port (¼" BSP F or ½" BSP F) in order to avoid damage to the sensor
The CRP101 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 NiMH rechargeable battery installed.

Battery Life
When the battery starts weakening a low battery warning will appear on the display.
Connect the unit to the power supply. During the charge the battery status remains at 100%, wait until the yellow LED is off.

RS232 Interface
At the back of the CRP101 RS232 cable available on request (not included in standard supply)
RS232 – USB Converter available on request

Pt100 4-wire connection
At the back of the CRP101 depending on the model RTD Pt100-4 wire available on request

PS Connector
At the back of the CRP101 9 Vdc – 600 mA PS connector

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