

## CONFIGURATION SENSOR NT5000/NT5010 TO CONTROLLER ZZ3000 (HD9022)

- 1) Connect the red cable (+Vs) to **+15V** (HD9022) and the black cable (-Vs) to **IIN** (HD9022). Supply power to the instrument.
- 2) The instrument performs an internal check, **C.E.I.** appears on the display for a few seconds, followed by a random number.
- 3) Press **PROG** and **F 0** appears on the display.
- 4) Press **PROG** and **F1** appears on the display.
- 5) Press **ENTER** and the symbol **U, A** or **Pt** appears on the display. Press the **▲** or **▼** button to choose the input for voltage (mA): **A**. Press **ENTER** to confirm.
- 6) Press **PROG** and **F2** appears on the display; press **ENTER**; press the **▲** or **▼** button to set the decimal point in the desired position, which should be **0**. Press **ENTER** to confirm.
- 7) Press **PROG** and **F3** appears on the display; press **ENTER**, press the **▲** or **▼** button to set the voltage (mA) corresponding to the value of the beginning of the scale **4.00 mA**. Press **ENTER** to confirm.
- 8) Press **PROG** and **F4** appears on the display; press **ENTER**, press the **▲** or **▼** button to set the numerical value corresponding to the beginning of the scale **0**. Press **ENTER** to confirm.
- 9) Press **PROG** and **F5** appears on the display; press **ENTER**, press the **▲** or **▼** button to set the voltage or current (mA) value (as selected in point 5) corresponding to the end of the scale **20.00 mA**. Press **ENTER** to confirm.
- 10) Press **PROG** and **F6** appears on the display; press **ENTER**, press the **▲** or **▼** button to set the numerical value corresponding to the end of the scale, for example **500 cm** for NT5000 (0-5 mtr) and **1000 cm** for NT5010 (0-10 mtr). Press **ENTER** to confirm.
- 11) Press **PROG** and **F7** appears on the display; press **ENTER**, press the **▲** or **▼** button to set the maximum alarm threshold value L MAX , for the Alarm relay for example **210 cm**. Press **ENTER** to confirm.



- 12) Press **PROG** and **F8** appears on the display; press **ENTER**, press the ▲ or ▼ button to set the minimum alarm threshold value L MIIN, for the Alarm relay for example **-10 cm**.  
Press **ENTER** to confirm.
- 13) Press **PROG** and **SP1** appears on the display; press **ENTER**, press the ▲ or ▼ button to set the set value for the first threshold (setpoint) "SET relay HI" for example **500 cm**.  
Press **ENTER** to confirm.
- 14) Press **PROG** and **SP2** appears on the display; press **ENTER**, press the ▲ or ▼ button to set the reset value for the first threshold "RESET relay HI" for example **600 cm**.  
Druk op **ENTER** om te bevestigen.
- 15) Press **PROG** and **SP3** appears on the display; press **ENTER**, press the ▲ or ▼ button to set the set value for the second threshold (setpoint) "SET relay LO" for example **550 cm**.  
Press **ENTER** to confirm.
- 16) Press **PROG** and **SP4** appears on the display; press **ENTER**, press the ▲ or ▼ button to set the reset value for the second relay "RESET relay LO" for example **450 cm**.  
Press **ENTER** to confirm.
- 17) Press **PROG** and **S10** appears on the display. Press **ENTER**, press the ▲ or ▼ button to set the desired speed of RS232 transmission, choose from: 300, 600, 1200, 2400, 4800, 9600 baud.  
Press **ENTER** to confirm.
- 18) Press **PROG** and **F 0** appears on the display.  
THE CONFIGURATION OF THE INSTRUMENT IS COMPLETED.
- 19) Connect the input of the instrument and press **ENTER**. The display will show the value corresponding to the input signal.



