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*Manual for Programmer P-NS2168*



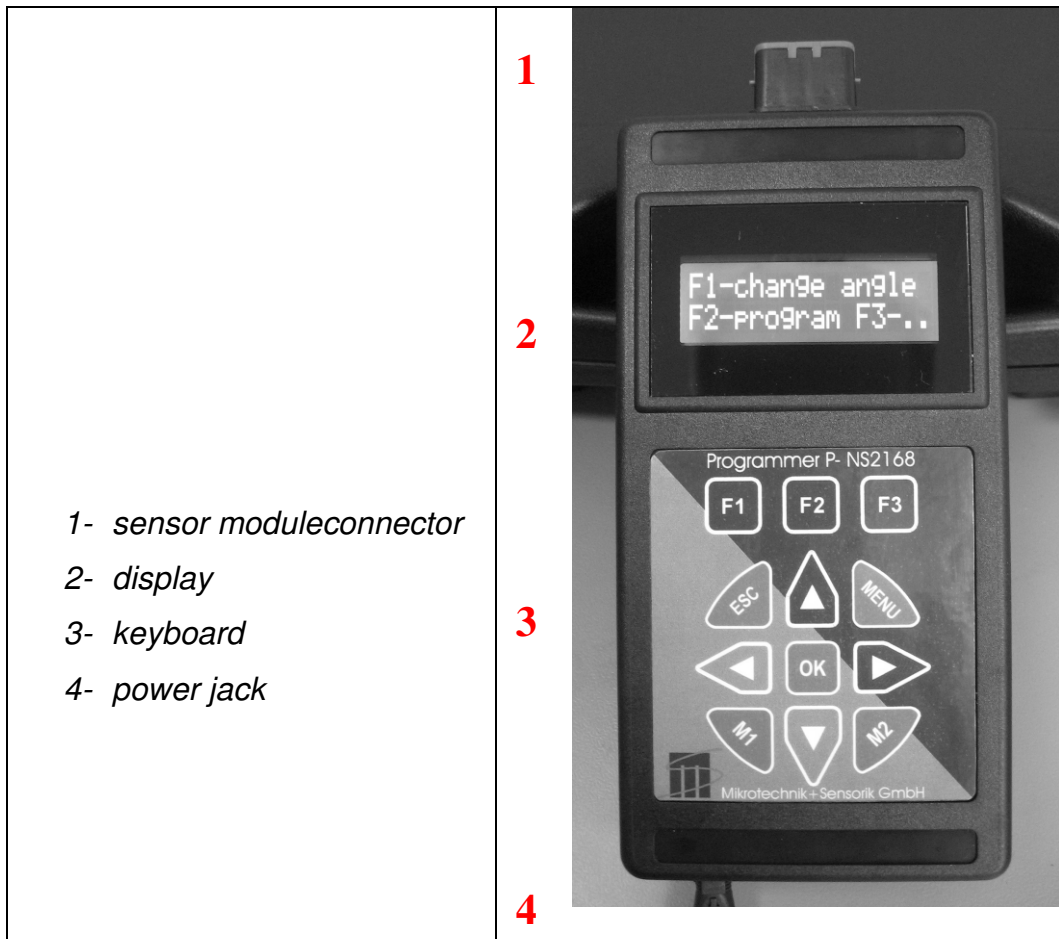
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## 1. basic handling

### power supply

the P-NS2168 can be powered with the delivered, or with any regulated wall power supply between 12 and 18V DC. The used power supply should be able to deliver at least 0,5 amp. The power jack is located on the bottom left side of the P-NS2168.



### Main menu

The main menu is shown in the picture above. The P-NS2168 has three operating modes, which can be selected with the pushbuttons F1 to F3. The other pushbuttons are not used at this time.

## *F1 change angle*

*By activating the pushbutton F1 you enter the change angle operation mode. In the upper line the current angle. By using the Up and Down pushbuttons the angle can be changed between 5° and 75°.*

*With the M1 and M2 keys you can select preset angles.*

*The selected angle is lost with disconnecting the power supply from the P-NS2168.*

*With the ESC or MENU key you get back to main menu and with F1 to F3 key you directly select the associated operating mode.*

## *F2 programming*

*In this operating mode you can programm the switching angle of the NS2168 sensor module. In the upper line of the display you can see the current angle and the number of successfully programmed sensor moduls.*

*To start programm process press the OK button. This will start the programm operation, which will take approx. 10 seconds. If the operation is successful OK is displayed and the counter will increase, otherwise" ERROR!" Will be displayed.*

*With the ESC or MENU key you get back to main menu and with F1 to F3 key you directly select the associated operating mode.*

## *Caution!*

*The sensor module can only be programmed for one minute after connecting.*



## *F3 zero inclination*

*In this mode the zero angle will be programmed. This angle has to be added to tilt angle, programmed with F2.*

*Standard is horizontal position.*

## **Shipment**

- programming device P-NS2168
- wall power supply 12V
- case
- instruction manual