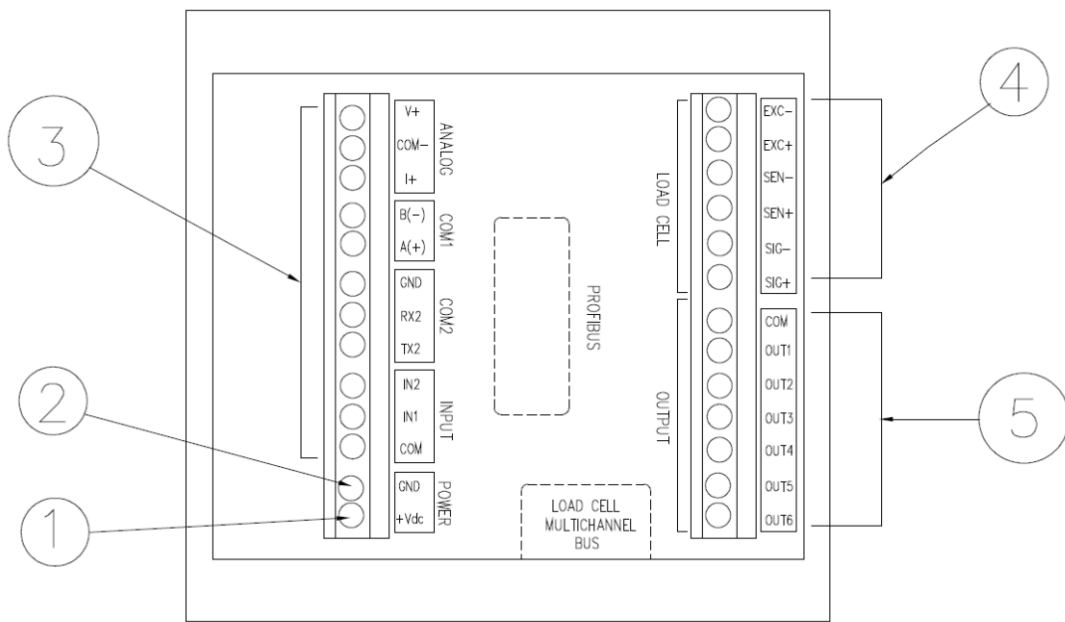
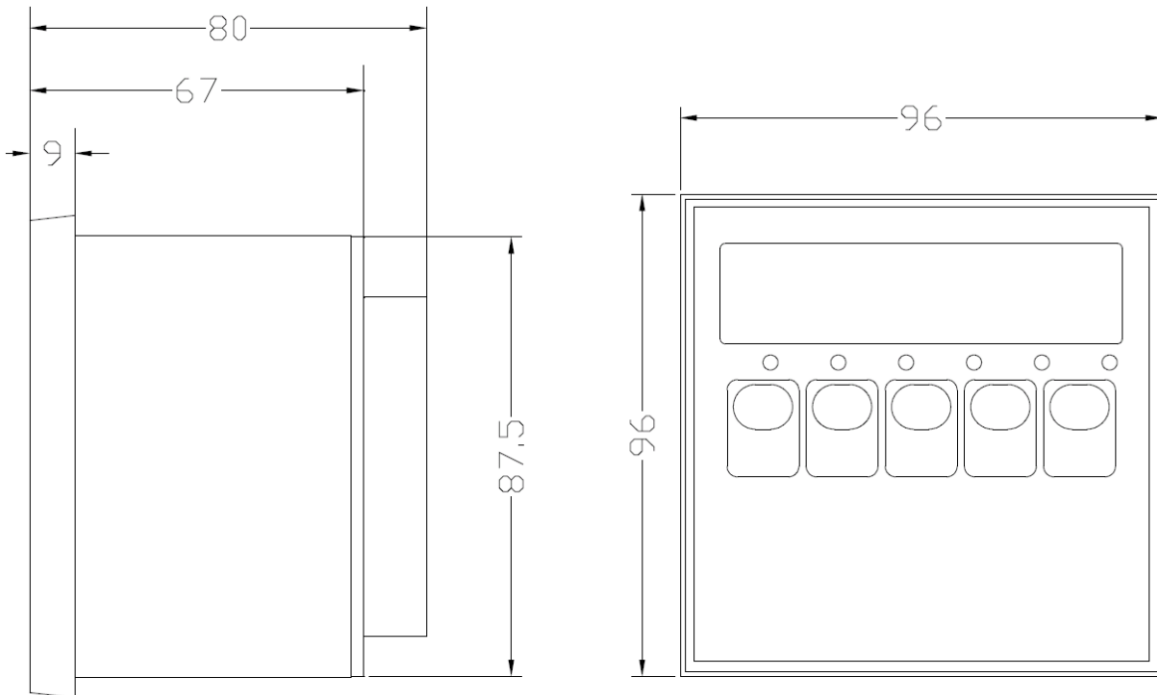


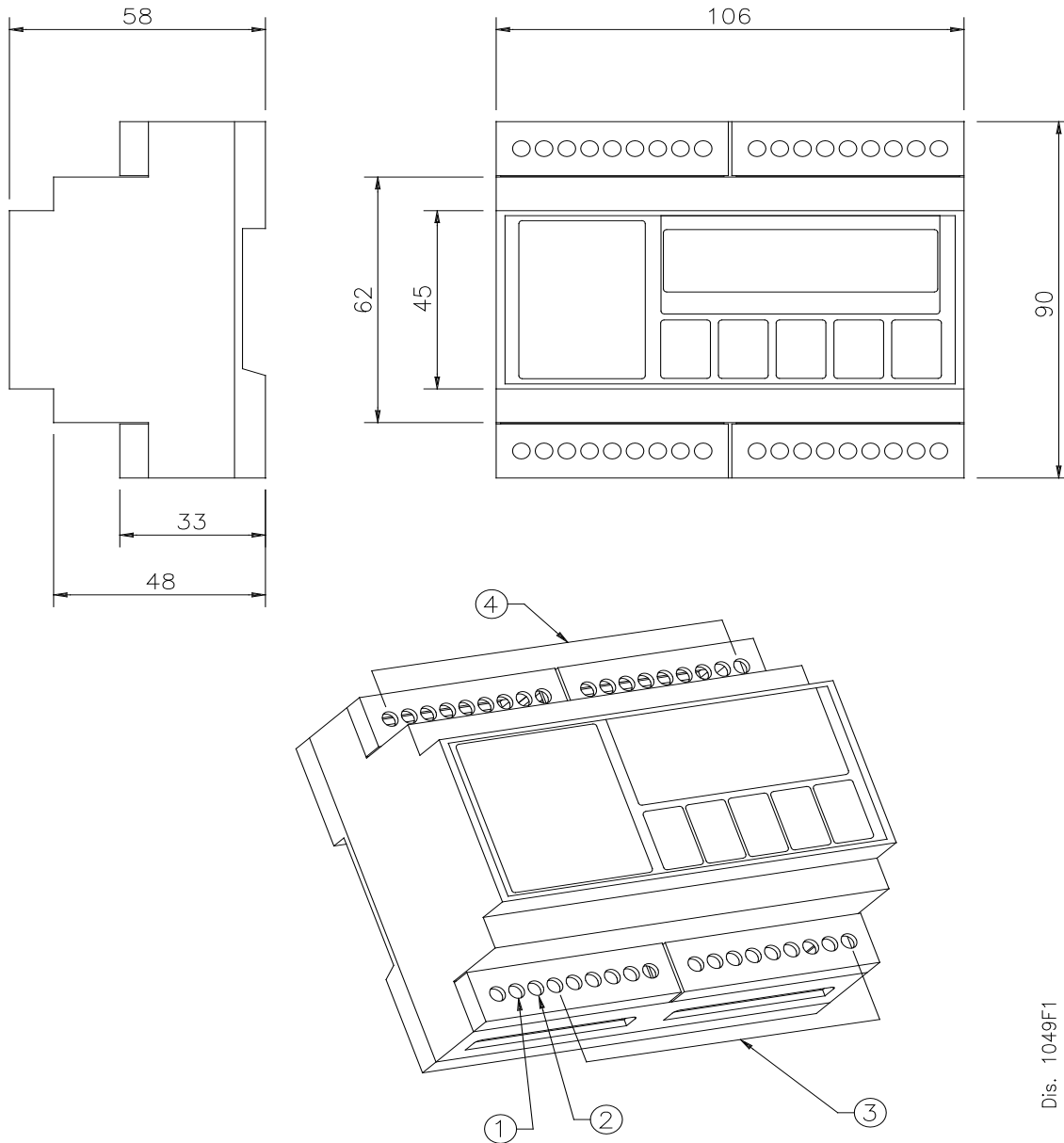
3. DIMENSIONS :

IPE50 PANEL



- 1 and 2 Connection of power supply (12 to 24Vdc)
- 3 connection of the 2 inputs, the contact of setpoints and RS232 and 485
- 4 connection of sensors
- 5 connection of the 2 to 6 contact relays (6 relays in option)

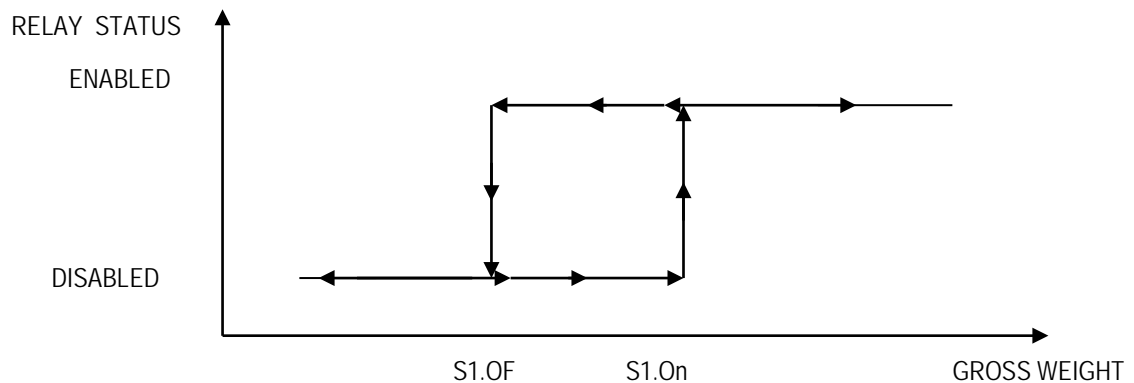
IPE 50 DIN



Dis. 1049F1

- 1 and 2 Connection of power supply (12 to 24Vdc)
- 3 connection of the 2 inputs, the contact of setpoints and RS232 and 485
- 4 connection of 1 to 4 sensors

- The DISABLING SET POINT must be equal or less than the ENABLING one;
If in the DISABLING SET POINT one enters and confirms a value greater than the ENABLING one, the instrument will automatically set 0 value and wait for a correct value.
If in the ENABLING SET POINT one enters and confirms a value greater than the max capacity, the instrument will automatically set 0 value and wait for a correct value.
- The check of the weight remains active on the present value even during the modification of the SET POINT, until the new value is confirmed.
- At start-up, the relays are managed from when the software version is displayed and these take on the configuration set in the set-up environment. These are not managed inside the set-up menu.
- The tare operations are active.



MODE WITHOUT HYSTERESIS

It is the same as the functioning mode with hysteresis, except that one enters just one SETPOINT value S.1 on and S.2 on (therefore the enabling threshold coincides with the disabling threshold).

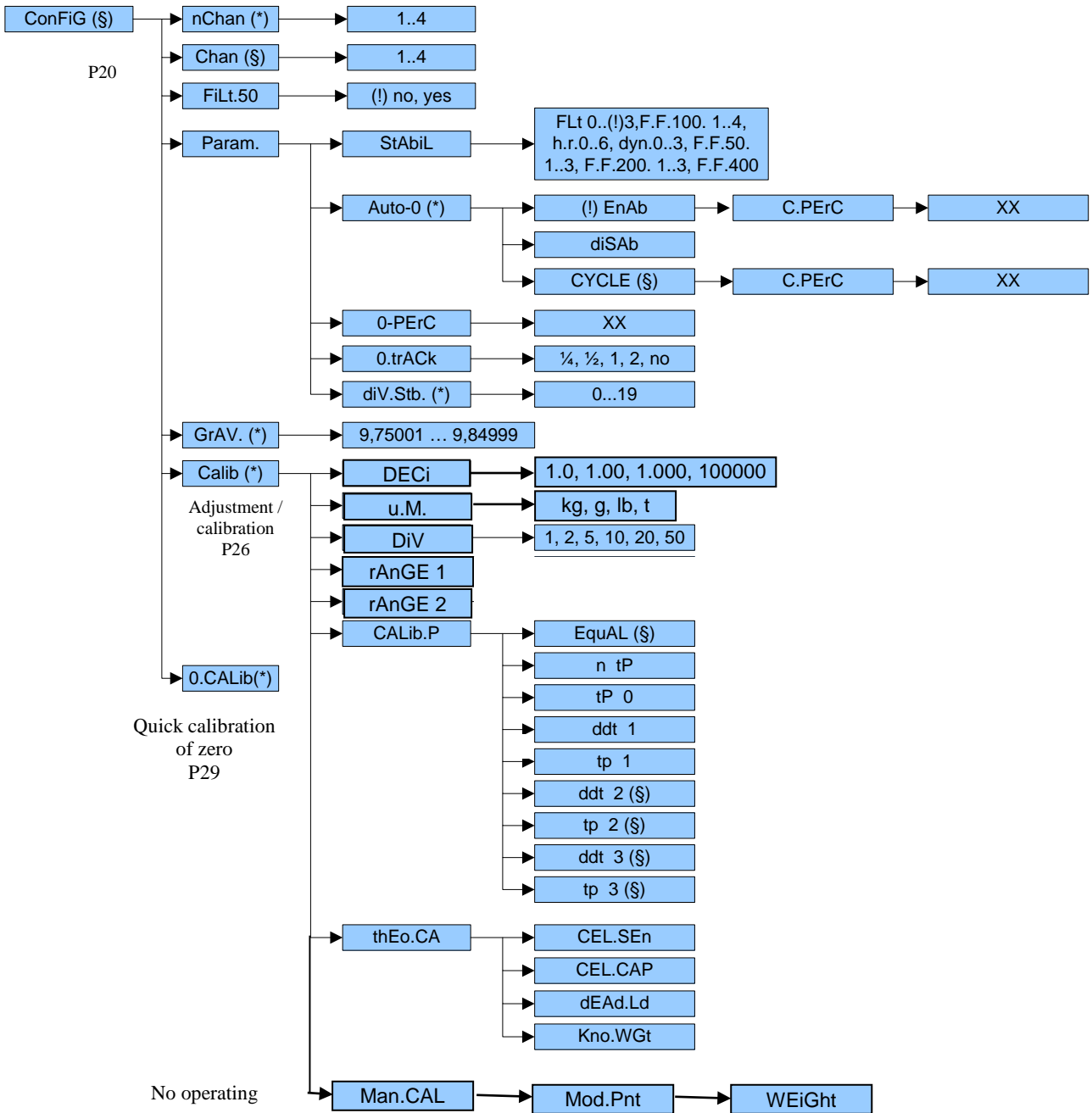
7.6 INPUT CONFIGURATION (for the 2 inputs remote control)

In this step one sets the function to link to each input on the screw terminal

nonE	Disabled
ZErO	->0<- Key
tArE	->T<- Key
ModE	MODE Key
Print	↵ Key
C	C Key
oFF	Put the IPE50 in standby (display off)
diS.kEy	DISABLING OF KEYBOARD
(!) nonE	

Note:

If you select the parameter **diS.kEy**, the second input will be disabled and the keys of the unit too.



----- SERIAL

Serial connection
for PC, printer....

See user manual 2/2

You can download it on our website
www.800loadcel.com

Furthermore the ASCII "TEST"<CRLF> string is continuously transmitted on both the serial lines.

CtS.St TEST OF THE CTS STATUS

By pressing ↵ one views the status/level of the CTS signal of the printer (on) connected to the PRT serial port.

outPut TEST OF THE I/O EXPANSION BOARD RELAYS

By pressing ↵ the instrument displays "rEL.1" and enables relay 1 of the expansion board; press the ->0<- or ->T<- key to enable this other relay of the connected expansion boards.

Press "C" to exit this step

InPutS TEST OF THE I/O EXPANSION BOARD INPUTS

By pressing ↵ the instrument displays "i.bx-y" in which x, y indicate:

x – the input which is controlling 1, 2; to change the input which one wants to control press the ZERO or TARE keys.

y - the input status:

0 Disabled input

1 Enabled input

- communication error with I/O expansion board or board not present.

Press "C" to exit this step

Anout ANALOG OUTPUT TEST

You could simulate a value of the analog output by modification of the value.

This value can be modified from 0 to 65535, valid by ↵ to simulate the output.

Press "C" to exit this step

Approximative values

Analog value (A/D)	output (V)	output (mA)
1200	0	0
12700		4
58600		20
62650	10	

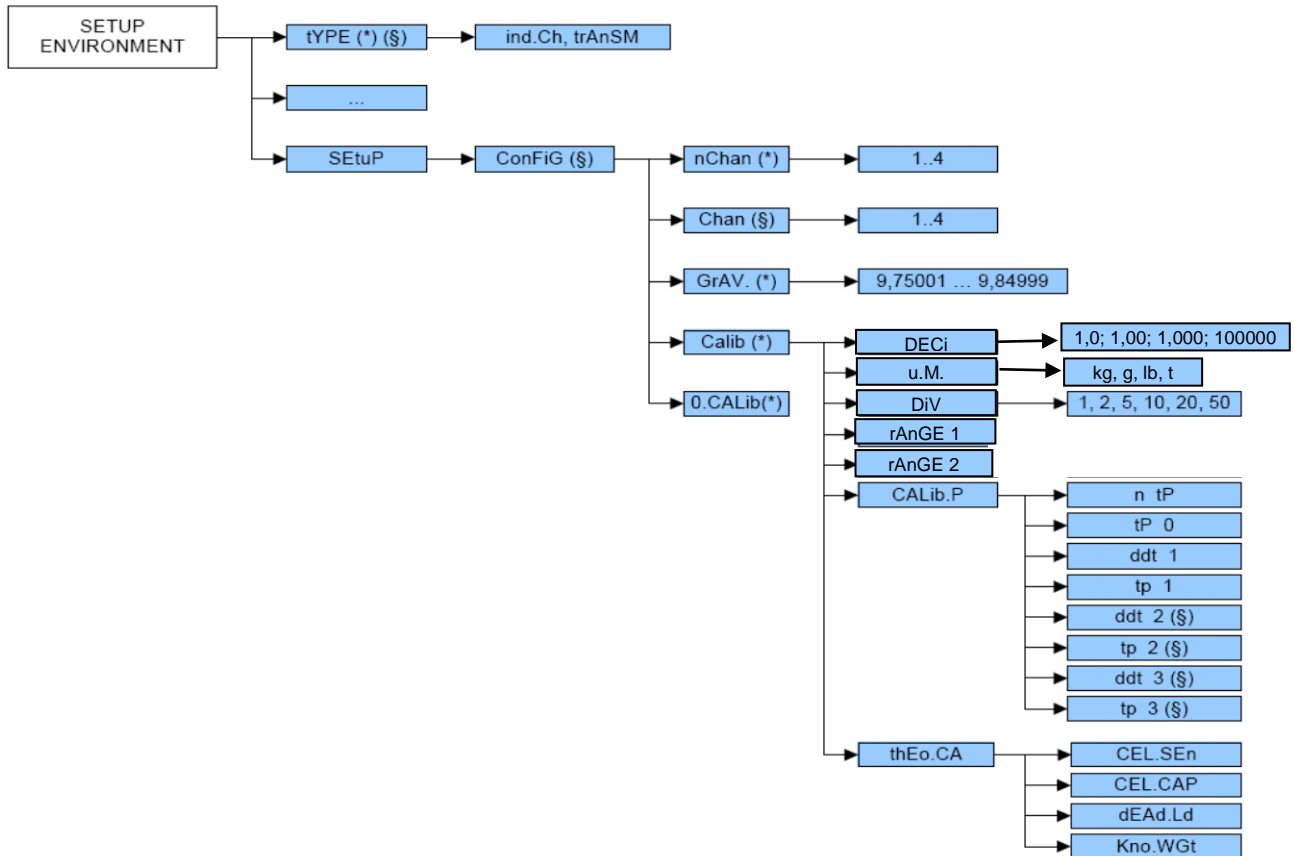
SER.nuM : not used

11 ADJUSTMENT

Note: The manufacturer parameters of the IPE50 unit are: 2mV/V -> 10.000 per 0.001

Attention: the default calibration parameters will probably not match with your application requirements. You have to calibrate the system according to your needs.

Depending on the application, one can carry out two types of calibration: the one for the simple scale or the one for the pallet truck.



- >0<- Decreases the selected digit (blinking).
 - >T<- Increases the selected digit (blinking).
 - MODE Selects the digit to be modified (blinking), from left to right.
 - C Quickly zeros the displayed value.
- Valid the new value by pressing the key ↵.

- 1) Enter the SET-UP environment of the scale (when turned on, press the ->T<- key for an instant during the countdown).
- 2) TypE is displayed.
Press ↵, ind.Ch. or DEP.Ch. or trAnSm. is displayed. With the key ->0<-, choose the functioning mode and press ↵ :
Ind.Ch. Standard using for 1 to 4 independent channels
DEP.Ch. Using for the connection of 2 to 4 identical sensors on a same system
TrAnSM. . Same as ind.Ch, except that the keys, the zero tracking and the autozero at the startup are disable and it is possible with one serial command, to receive the values of all the channels operating.

13 ERROR MESSAGES

While using the indicator, it is possible to incur in the following errors:

MESSAGE	DESCRIPTION
ADC Err	Analog/digital convertor doesn't work. Check the wiring of the loadcells. Measure the signal output of the loadcells between the pins + and - sig, the tension must not exceed 15mV.
PREC.	It is displayed if one tries to calibrate a point without first having confirmed the number of calibration points
ERMOT	Weight unstable during the acquisition of a point during calibration.
ERPNT	During the acquisition of a calibration point a null value has been read by the converter.
Er - 11	Calibration error: a too small sample weight has been used; it is advisable to use a weight equal to at least half of the scale capacity.
Er - 12	Calibration error: the acquired calibration point (tP1 or tP2 or tP3) is equal to the zero point (tP0).
Er - 37	The converter points are less than the instrument's internal divisions. The sensor signal is negative The load has not been applied on the step TP1
Er - 39, No CAL	It is displayed when the instrument has not yet been calibrated and initialized. Press the ->T<- key when the instrument displays "ERR - 39" to enter the technical set-up environment (with the standard procedure it is not possible) programming of all the parameters of the set-up environment and the calibration.
C.Er.-36	During the calibration some internal negative points have been calculated: - the calibration point is less than the zero point - the signal is negative (check the connections)
C.Er.-37	During the calibration some internal points less than the minimum value have been calculated: - The calibration point is equal to the zero point - A capacity too high in relation to the division has been set
HW-Err	Hardware error. Software not compatible with the installed hardware. The hardware expansion is missing which allows the software to function.

14 ELECTRICAL CONNECTION

See user manual "short guide"

NU-IPE50-1-E-0313