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CALIBRATION INSTRUCTIONS

CONTINUOUS TOTALIZING (BELT WEIGHERS) IDE250

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CALIBRATION INSTRUCTIONS CONTINUOUS TOTALIZING (BELT WEIGHERS) IDE250

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▲ WARNING ▲ 1.

PRINCIPLE OF THE CONNECTION OF ANALOG LOAD CALLS ONT THE **IDE INDICATOR**

1°/ Check that the 9-pin socket is disconnected from the M1 connector of the IDe indicator.

2°/ Connect the sensors and link cable inside the connection box, as shown below. (Example given with one BR41 and two sensors)



3°/ Before connecting the sensor cable to the M1 connector on the IDé unit, check the impedances on the 9pin connector, as follows:

- between pins 3 and 5 (A- and A+): the impedance must be greater than 45 Ω. _
- between pins 7 and 8 (R- and R+):
- the impedance must be greater than 45 Ω.
- between pins 3 and 7 (A- and R-):
- between pins 5 and 8 (A+ and R+):
- the impedance must be equal to 0.0.
- the impedance must be equal to 0.Q.



2. PRESENTATION OF THE UNIT

2.1. <u>Technical characteristics</u>

Maximal number of scale divisions (legal for trade): 6000.Sensitivity: 0.75μ Load cell power supply voltage: $7.5 V \leq$ Number of measurements / second (fast): $40 a \leq$ Load impedance (analog load cell): $\geq 45 c$

: 0.75 μV. : 7.5V square wave. : 40 à 990 : ≥ 45 ohms.

Zero visualized at 1/4 scale division. Interactive digital adjustment by the front panel. Power supply 230 V / 50 Hz or 60 Hz + earth < 5 ohms. DC power supply 12 V_{DC}. (Or optionally 24V_{DC}) Power consumption: 15 to 25 VA max, according to the configuration. Battery-backed internal clock and memory.

320x240 pixel LCD screen, showing a 6-digit weight with 14 mm high digits, and an operator guide.

-	3 metrological	keys
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- 17 application keys

2.2. Peripherals

In standard version the IDe indicator disposes of:

Two serial links:

Keypad 20 keys:

COM1: RS232 and/or RS485, 2 wires. (Short distance link: max. 10 metres)COM2: Passive current loop, or optional RS232, RS485, 0/10 V, 4/20 mA, active or passive current
loop, Ethernet Modbus TCP (XPort). (Long distance link: max. length depends on link type)

One slave USB interface:

USB : For communication with a PC (Short distance link: max. 3 metres)

One parallel interface:

LPT : For the printing through a parallel printer. (Short distance link: max. 3 metres)

One input for the analog load cells: (For analog version indicators)

: 6-wires analog load cell(s). (Long distance link: max. 150 metres)



M1

<u>Reminder:</u> Only one cable should be connected to M1. The parallel mounting of the load cells must be done separately in a junction box.

One CAN bus interface:

MASTER CAN : Digital load cell(s), Terminals, Remote displays. (Long distance link: 1000 meters max.)

3. FRONT PANEL

3.1. Display and indicators lights



Legend:

- 1 \Rightarrow Metrological section. (Weight, metrological status, etc.)
- 2 \Rightarrow Application section. (Menu, parameters, etc.)
- 3 \Rightarrow Weight on 6 digits of 14mm height.
- 4 \Rightarrow Indicates the weight unit: **kg** or **t**.

- 5 \Rightarrow Six status indicators. (Detailed below)
- 6 \Rightarrow Number of measurements per second.
- 7 \Rightarrow Weight in scale divisions.
- 8 \Rightarrow Calibration menu.

Status indicators:

Indicator	No. 1	No. 2	No. 3	No. 4	No. 5	No. 6
	W1	B/G				
Possibilities		Net	DATA		⇔0≎	\approx
			p	Ð		

> Indicator No. 1: \Rightarrow Indicates that the weight is displayed in measurement range 1. (Always the case)

B/G \Rightarrow Indicates that the weight displayed is a Gross weight.

- \Rightarrow Indicates that the weight displayed is a Net weight.
- > Indicator No. 3: \Rightarrow Indicates weight display mode.

Net

DATA

- \Rightarrow Indicates data display mode.
- \Rightarrow Indicates that the backup battery must be replaced.

Indicator No. 2:



3.2. Keypad



17 application keys and 3 metrological keys.

Metrological keys:

-€

₿∕N

►**0**-

 \Rightarrow "Tare" key, used to perform a semi-automatic tare on a gross weight.

- \Rightarrow "B/N" key, used to switch for four seconds from displaying gross weight to net weight and vice versa.
- \Rightarrow "Zero" key, used to reset the gross weight to zero. (Within the authorised range)

Applications keys:



 \Rightarrow Number keys used to enter numerical data.

 \Rightarrow These keys form a pseudo mouse used to move around the various menus:

- \Rightarrow Return to the previous data item or the previous menu function.
- \Rightarrow Move to the next data item or the next menu function.
- \Rightarrow Return to the previous character in alphanumeric entry.
- \Rightarrow Move forward to the next character in alphanumeric entry.
- \Rightarrow Correction key, used to clear or reset the data being entered.
 - \Rightarrow Confirm data entered or displayed and access a function.
 - \Rightarrow Display the weight in high precision mode in the menus, or to quit or cancel when entering data.

4. CALIBRATION MODE



The unit must only be adjusted by an authorised operator

The "Mode LED" inside the unit, near the buzzer, shows the current mode: (See 6.2. IDe board layout)

- ➢ LED lit ⇒ Normal mode.
- ➢ LED off ⇒ Calibration mode.

<u>Changing between normal mode and calibration mode:</u> The calibration switch inside the IDe indicator, near the battery, is used to change from one mode to the other. (See *6.2. IDe board layout*)

Proceed as follows:

- Turn off the indicator, toggle the calibration switch, and then turn on the indicator.
- The start-up phases are displayed "4", "3", "2" then "1 **REGL**". The language for calibration mode can be selected on the operator guide.
- Use keys $\binom{2}{_{HBC}}$ or $\binom{8}{_{HV}}$ to select the desired language, then confirm by pressing \checkmark .
- The operator guide displays the message "CALIBRAT". Press a key to display the calibration menu below.

$$\Rightarrow Use key \checkmark to access the functions.$$

$$\Rightarrow Changing the number of a digital load cell (See 4.1.)$$

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$$\Rightarrow OP MODE \Rightarrow IDe operating mode. (See 4.2.)$$

$$\Rightarrow Metrological parameters (See 4.3.)$$

$$\Rightarrow SET ZERO \Rightarrow Zero calibration, scale empty (See 4.4.)$$

$$\Rightarrow SET GAIN \Rightarrow Gan calibration, scale loaded (See 4.5.)$$

$$\Rightarrow Gravity adjustment (See 4.6.)$$

$$\Rightarrow Display angle converter points (See 4.7.)$$

$$\Rightarrow Angle correction (See 4.8.)$$

$$\Rightarrow End of slope correction (See 4.9.)$$

$$\Rightarrow SERVICI. \Rightarrow Access to the servicing menu (See 4.10.)$$

$$\Rightarrow Print calibration parameters on LPT (See 4.11.)$$

$$\Rightarrow End of calibration and saving calibration parameters to EEPROM (See 4.12.)$$

: Functions not available if the selected sensor type is analog.



IMPORTANT: If a power failure occurs during calibration mode and before the saving is performed, all calibration parameters and values are lost.



4.1. Changing the number of a digital load cell

This function is not available if the parameter "SENSOR TYPE 0=An 1=Dig 2=Candy" is set to "0" (analog load cell), see 4.2.

When a load cell or transmitter is replaced, the CAN host number of the old load cell or transmitter must be assigned to the new load cell or transmitter, as follows:

- Launch this function.
- Enter the CAN host number of the new load cell or transmitter (53), confirm.
- Then enter the CAN host number of the load cell or transmitter to be replaced (number from 1 to 12), confirm.

If the load cell or transmitter number is not **53** (load cell or transmitter already used):

- Isolate the load cell or transmitter by disconnecting the CAN_H and CAN_L wire from the other load cells and transmitters.
- Launch this function.
- Enter the CAN host number of the load cell or transmitter (**00**), confirm.
- Then enter the CAN host number of the load cell or transmitter to be replaced (number from 1 to 12), confirm.
- Reconnect all the load cells and transmitters for a test.

<u>Remark:</u> Digital load cells and transmitters are factory-set to the value **53**.

This function can also be used to automatically numbering all the digital load cells and transmitters present on the CAN bus of the indicator, regardless of their host number, as follows:

- Launch this function.
- Enter CAN host number 99, confirm.
- Automatic numbering is started, the message "WAIT 15s" is displayed.
- Once numbering is complete, the overview of load cells and transmitters are displayed (see 4.7) enabling the numbering to be checked.

Host numbers are assigned in increasing order of the serial numbers.

4.2. IDe operating mode

All the following parameters must be entered in this menu:

IDe TYPE	1=150 2=250	: XX Indicator type. (2 digits)
		00 = Reserved.
		01 = IDé 150 front panel.
		02 = IDé 250 front panel.
SENSOR TYPE 0=AN	N 1=Dig 2=Candy	7: X Desired load cell type.
		0 = Analog load cell(s).
		1 = ARPEGE MASTER-K digital load cell(s).
		2 = CANDY transmitter(s).
SENSOR NUMBER	(1 to 12)	: XX Number of load cells and transmitters connected. (1 to 12)
INPUT RANGE (mV)	1=10 2=20 3=4	10: <i>X</i> Input range for the analog to digital converter.
		0 = Default range. (20mV)
		1 = Range 10 mV.
		2 = Bange 20 mV
		3 = Kange 40 mV.

MESUREMENT/SEC. XX*10	(1to99)) : XX 06 = 6 18 = 1 Etc. 90 = 9 99 = 9	Number of measurements per second = "XX" x 10. 50 measurements per second. 180 measurements per second. 00 measurements per second. 90 measurements per second.
REGULATED MODE (0=No 1	L=Yes)) : X	If the indicator is intended for regulated use (commercial transactions, etc. and bears EC conformity markings) it is mandatory to set this parameter to 1. If this is not the case, the 6000 scale divisions and semi-automatic zeroing zone safety mechanisms are disabled.
CLASS (0,5 / 1,0 / 2,0)) :	Χ,Χ	Accuracy class of the belt weigher. (OIML R50)
NOMINAL SPEED (m/s)	:	X.XXX	Entry of the belt nominal speed in m/s.
DROMOMETER LENGTH (m) Remark: If the "DROMOMETER the weighing.	: ER LENG	X.XXX GTH = 0.	Entry of the Dromometer length. The travelled distance by the belt between two Dromometer pulses. (Corresponding to the perimeter of the dromometric roller) The Dromometer pulses must be connected to the " I1+ " input of the " AUX. CONNECT. " DIN plug. 000m " the system takes the " NOMINAL SPEED " to do
WEIGH LENGTH (m)	:	<i>x.xxx</i>	Entry the Weigh length. The distance between the two imaginary lines at the half distance between the axes of the end weighing rollers and the axes of the nearest carrying rollers. When there is only one weighing roller, the weigh length is equal to half the distance between the axes of the nearest carrying rollers on either side of the weighing roller.
BELT LENGTH (m)	:	XXX.X	Total length of the belt.
CORRECTION COEF. (K)	: X	.XXXXX	Dynamic correction coefficient.

4.3. Metrological parameters

Dall the following parameters must be entered in this RANGE W. (1kg to 500000kg) : XXXXXX	menu: Range of weighing scale. Maximum load that the load cell can weigh on the weight length.
DIVISION W. (max 500,000kg) :XXX,XXX	Measurement verification scale division (multiple of 1, 2, 5) of the range of weighing scale.
IMMOBILITY (0,5e to 3,0e) : X,X	According to the installation conditions of the scale, it will be necessary to adapt the immobility zone.
NB OF IMMOBILE MEASM.(09): X	Determines the speed at which immobility is reached according to the calculation = (" X " x 8) + 8. (8 to 80: number of measurements necessary to achieve immobility)
NUMERIC FILTER (XX average): XX	If the filter is set to zero the measurement is not filtered; if set to 99 the filter is at its highest.

LOW PASS FILTER ()	XX hz)	: XX 00 = F 01 = C Etc. 10 = C	Determines the cut-o filter. (Bessel filter) filter disabled. Cut-off frequency 1 Hz.	ff frequency of the digital low pass (Strong filtering) z. (Weak filtering)
DIVISION T. (max 500 <u>Remark:</u> Must be respe	,000kg) ected \Rightarrow 10 \approx	:XXX.XXX	Totalization scale divi totalization devices.	sion (multiple of 1, 2, 5) for the T " < 10000 x " DIVISION W ."
MIN. TOTALIZATION (k	g)	: XXXXXX	 Minimal range of the totalization may be sushall be not less than 2% of the load total The load obtained a of the belt. The load correspon totalization scale in 	totalization, below which a ubject to excessive relative errors. It the largest of the following values: ized in 1 hour at maximum flowrate. It maximum flowrate in 1 revolution ding to the appropriate number of tervals in the following table
			Class	Totalization scale intervals (d)
			0.5	800
			1	400
			2	200
MINIMUM RATE (t/h) :	XXX.XX	Minimal flowrate req	uired. (20% of the maximum flowrate)
MAXIMUM RATE (t/h) :	XXXX.XX	The flowrate obtaine	d with the " RANGE W ." and the " of the belt.

4.4. Zero calibration

Before entering this menu, check the load cells connections and the state of the load receiver. (Belt, etc.) If the load receptor is empty and clean, you may launch the zero calibration.

The duration of this operation depends on the time needed to obtain a stable measurement. Vibrations must be avoided.

4.5. Gain calibration

Before entering this menu, the zero calibration must have been performed. Put the standard masses on the load receptor then launch the gain calibration. The operator guide displays "Calibration weight value(kg):", enter the total weight using the IDé keypad, then confirm.

The duration of this operation depends on the time needed to obtain a stable measurement. Vibrations must be avoided.

Remarks:

- A high quality calibration requires standard masses values close to the maximum range of the scale.
- This operation may be repeated several times without removing the weights.

4.6. Gravity adjustment

This function is used to enter the value of gravity in the calibration location and the gravity in the location where the indicator is installed:

Calibration	gravity	(G) :		X . XXXXX	Enter the gravity corresponding to the calibration location.
Utilization	gravity	(G)	:	X.XXXXX	Enter the gravity corresponding to the installation location.

4.7. Displaying the value of an angle

This function is not available if the parameter "SENSOR TYPE 0=An 1=Dig 2=Candy" is set to "0" (analog load cell), see 4.2.

When this function is confirmed, the screen below is displayed.



Legend:

- 1 \Rightarrow CAN host number of selected load cell.
- 2 \Rightarrow Serial number of selected load cell.
- 3 \Rightarrow Number of points returned by the load cell.
- 4 \Rightarrow Total of points returned by all load cells.

Use keys $\overset{2}{\overset{ABC}{\overset{}}}$ or $\overset{+}{\overset{+}{\overset{}}}$ to select the next load cell and keys $\overset{8}{\overset{}}$ or $\overset{1}{\overset{}}$ to select the previous load cell.

This function is simply used to check that a load cell is online or to see the load distribution on the load receptor.

4.8. Angle correction

This function is not available if the parameter "SENSOR TYPE 0=An 1=Dig 2=Candy" is set to "0" (analog load cell), see 4.2.

It enables a correction to be applied if an angle is too high or too low. Enter the CAN host number of the load cell to be corrected then the correction value in converter points.

<u>Remark:</u> ARPEGE MASTER-K digital load cells give 100,000 points for the maximum range of the load cell.

4.9. End of slope correction

This function can be used to apply a slight correction to the slope. (System gain) It may be used in particular to compensate for variation in the "g" factor for the location where the complete instrument is used.

If a slight offset at full load is noted when the scale is checked, this function can be used to correct the error:

- Confirm this function then enter the correction value and confirm again.
- Check the result of the correction by viewing the weight on the display.
- **<u>Remark:</u>** The correction sign may be changed using the key. If a minus sign is displayed before the value, a negative correction is applied; if the plus sign is displayed a positive correction is applied.

4.10. Servicing menu

This function gives access to the servicing menu shown below.



4.10.1. Saving settings and parameters on a PC

This menu is used to save all the settings and parameters in a text file (.TXT) on a PC.

To transfer the settings:

- Connect the PC (COM 1) to the IDe unit (**COM1**) using a PC/IDe connection cable.
- Run the *HyperTerminal* program (Access path to hypertrm.exe: "C:\ProgramFiles\Accessories\HyperTerminal\HYPERTRM.EXE")
- Enter a name for the la connection and validate. (TERMINAL.IDE)
- In the "Connect using" section, select "Send to Com1".
- Configure the connection at **9600 baud**, no parity, one stop bit, no flow control.
- Return to the main screen, select "*Transfer*" then "*Capture Text*", define the backup file name and confirm by clicking "*Start*". The PC waits to receive data.
- On the IDe unit, confirm the "IDe-->PC" function.
- The operator guide displays "Tr. Num zone (1/2/3/4/5) :", use the IDe keypad to select the memory zone to transfer, then confirm.
- During transmission, the backup is displayed on the PC screen and the IDe displays "**Tr**" followed by an animated cursor.
- To end the backup, select "Transfer", "Capture Text" and "Stop".
- Once the backup is complete, return to the servicing menu.

Details of the memory zones that can be transferred:

ZONE 1 :	Metrology EEPROM.
ZONE 2 :	Application EEPROM.

ZONE 3: Includes all previous zones.

- **ZONE 4**: Reserved.
- ZONE 5: Reserved.

4.10.2. Restoring settings and parameters from a PC

This menu is used to restore all settings and parameters saved previously on a PC, in a text file (.TXT).

(Transfer lasts a few seconds) (Transfer lasts a few seconds)

(Transfer lasts a few seconds)

To transfer the settings:

- Connect the PC (COM 1) to the IDe unit (**COM1**) using a PC/IDe connection cable.
- Run the *HyperTerminal* program (Access path to hypertrm.exe:
 "C:\ProgramFiles\Accessories\HyperTerminal\HYPERTRM.EXE")
- Enter a name for the la connection and validate. (TERMINAL.IDE)
- In the "Connect using" section, select "Send to Com1".
- Configure the connection at **9600 baud**, no parity, one stop bit, no flow control.
- On the IDe, launch the "PC-->IDe" function.
- The operator guide displays "Re. Num zone (1/2/3/4/5) :", use the IDe keypad to select the memory zone to restore, then confirm. The IDe unit waits for data.
- On the PC, select "*Transfer*" then in "*Send text file*", select the backup file to be transferred and click "*Open*". The PC transmits the data.
- During transmission, the IDé unit displays "Re" followed by an animated cursor.
- Once the restore is complete, return to the servicing menu.

4.10.3. Saving settings and parameters on the memory extension

This function is used to save all settings and parameters (Metrology EEPROM zone) to the memory extension.

When you select this function, the message "WRITE ..." is displayed during the backup. Once the backup is complete, return to the servicing menu.

4.10.4. Restoring settings and parameters from the memory extension

This function is used to restore all settings and parameters (Metrology EEPROM zone) stored previously in the memory extension.

When you select this function, the message "**READ** ... " is displayed during the restore. Once the restore is complete, return to the servicing menu.

4.10.5. Zero and Gain values

This function is used to display and enter the zero calibration and gain values:

Zero scale	(conv. pts)	: XXXXXXX	Display and/or enter the zero calibration value (empty tare) in converter points.
Gain scale	(conv. pts)	: XXXXXXX	Display and/or enter the gain calibration value in converter points.

4.10.6. Return to the calibration menu

This function is used to return to the calibration menu.

4.11. Printing parameters and calibration settings

If a printer is connected to the LPT and/or COM1 port, you can keep a paper copy of the parameters and calibration settings by selecting this function.

4.12. End of calibration and saving data

Select this function to quit calibration mode and save the parameters and settings.

While the data is being stored, the operator guide displays "**SAVE**". This operation takes several seconds. The message "**StrapOFF**" is then displayed as shown on the screen below.



Legend:

- 1 \Rightarrow Message indicating that the calibration switch must be toggled.
- 2 \Rightarrow Zero calibration value (empty tare) in converter points
- 3 \Rightarrow Calibration sensitivity in μ V per division. (Value given for information)
- 4 \Rightarrow Gain calibration in converter points.

Set the calibration switch back to its initial position (normal mode) and the indicator will restart in application mode.

5. ERROR MESSAGES

5.1. Error messages on the weight display



5.2. <u>Error messages during configuration or calibration (on the operator guide)</u>

- " **ERROR 1**": Division incorrect.
- " **ERROR 2**": Division other than 1/2/5.
- " ERROR 3": Range greater than 500 tonnes.
- " **ERROR 4**": Display capacity exceeded.
- **ERROR 5**": Over 6000 divisions.
- " ERROR 7": "DIVISION W." incompatible with "DIVISION T". (10 x DIVISION W. < DIVISION T. < 10000 x DIVISION W.)
- " **ERROR Z**": Error during zero scale calibration phase.
- " ERROR G": Error during gain calibration phase
- " ERROR R": Error during gain calibration phase, input range too low.
- " **ERROR U**": Error on gravity values.

- " ERROR a": Indicator type other than IDé150/250.
- " ERROR **b**": Load cell type other than 0, 1 or 2.
- " ERROR c": Number of load cell not 1 to 12.
- " ERROR d": Number of measurements per second not 06 to 99.
- " **ERROR e**": Class other than 0.5 / 1.0 / 2.0.
- " **ERROR f**": Dromometer length = 0 and Nominal speed = 0.
- " **ERROR** h": Weight length = 0.
- " ERROR i": Belt length = 0.
- " **ERROR** j": Immobility parameter not 0,5e to 3,0e.
- " **ERROR k**": Error on the Dynamic correction coefficient. (K)
- " **ERROR01**": Memory card locked (lock button on side).
- " **ERROR02**": Memory card not detected.
- " **ERROR03**": Communication problem with memory card.
- " **ERROR04**": Communication problem with memory card.
- " **ERROR05**": Communication problem with memory card.
- " ERROR06": Memory card not formatted. Initialise it.
- " **ERROR07**": Communication problem with memory card.
- " **ERROR08**": Communication problem with memory card.
- " **ERROR09**": Communication problem with memory card.
- **ERROR10**": Communication problem with memory card.
- " **ERROR11**": Communication problem with memory card.
- " **ERROR12**": Backup of metrological parameters not found on memory card.
- " **ERROR13**": Backup of application parameters not found on memory card.
- " **ERROR14**": Backup file not found on memory card.
- " ERROR15": Data on memory card not compatible with the software
- " **ERROR16**": Data protected.

6. APPENDIX

6.1. <u>Connection pinouts</u>

	M1	MASTER CAN	COM1		COM2				
Connector ref. Pin number					Current	Options			AUX.
			RS232	RS485	loop passive	Current loop passive/active	RS232	RS485	CONNECT.
1	μ	-		- <u></u>	- -		<u> </u>	-	0V
2	N.U.	N.U.	Rx	N.U.	N.U.	N.U.	Rx	N.U.	V Battery
3	A-	CAN_H	Тх	N.U.	N.U.	N.U.	Тх	N.U.	+12V Out
4	М-	CAN_L	N.U.	RxTx+	R+	R+	N.U.	Rx+	Common I
5	A+	V+	N.U.	RxTx -	R-	R-	N.U.	Rx-	l1+
6	M+	0V	DTR	N.U.	N.U.	N.U.	DTR	N.U.	12+
7	R-		0V	0V	N.U.	0V_lso	0V_lso	0V_lso	
8	R+		N.U.	N.U.	T+	T+	N.U.	Tx+	
9	N.U.		N.U.	N.U.	Т-	Т-	N.U.	Tx-	

6.2. IDe board layout



graphic display connector.

7. SUMMARY OF CALIBRATION MENU

I UNICAD Low INCO Low INCO The digital load of N*X been not use in Flight I UNICA Network The massage of the most use in Flight I UNICA The massage of the most use in Flight I UNICA Network The massage of the most use in Flight I UNICA The massage of the most use in Flight I UNICA Network The massage of the most use in Flight I UNICA Network The massage of the most use in Flight I UNICA Network The massage of the most use in Flight I UNICA Network The massage of the most use in Flight I UNICA Network The massage of the most use in Flight I UNICA Network The massage of the most use in Flight I UNICA Network The massage of the most use in Flight I UNICA I UNICA The massage of the most use in Flight I UNICA I UNICA The massage of the most use in Flight I UNICA I UNICA The massage of the most use in Flight I UNICA I UNICA The massage of the most use in Flight I UNICA I UNICA I UNICA I UNICA I UNICA I UN	Weight Display		Operator Guide	Default Values	Comments
1 BBC Image: Note: Set	Weight Display			Delault values	Comments
1 NECC MICLINE The messages of the requeses is derived in the messages of the requeses is derived in the messages of the requeses is the requeses of the requeses is the request is the reque	1 REGL	C : X			The digital load cell N° X does not respond
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NEXT CALTENT NEXT CALTENT Image: content of the image of the next set of the set of the next set of the next set of the set of the next se		DEUTSCH			The messages of the menu are in German
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NETR. PAR 0.000 BALT LENGTH (m) : XXX, X 0.00000 NETR. PAR RANGE W. (lkg to 500000kg) : XXXXXX 000100 DYUSION W. (max 500.000kg) : XXX.XX 000100 DYUSION W. (max 500.000kg) : XXX.XX 000100 DYUSION W. (max 500.000kg) : XXX.XX 000100 DYUSION T. (max 500.000kg) : XXX.XX 000100 DYUSION T. (max 500.000kg) : XXX.XX 010.000 DYUSION T. (max 500.000kg) : XXX.XX 0010.000 BET EERO Enter the standard mass value (kg) ex :100kg GRAVITY Calibration gravity (6): X.XXXXX 9.81000 DIANCE C. WDEERS (0.0 ro 12) 0 9.81000 DIANCE C. WDEERS (0.0 ro 12) 0 0 DIANCE C. WDEERS (0.0 ro 12) 0 0			DROMOMETER LENGTH (m) : X,XXX	0,500	
METR. PAR ENTRY (N) : X,XXXXX 0.00000 METR. PAR BANGE W. (1kg to 500000kg) : XXXX,XXX 000100 DYISION W. (max 500, 000kg) : XXX,XXX 000100 DYISION W. (max 500, 000kg) : XXX,XXX 0000.050 HNDRELLTTY (0,54 to 3,04) : X,X 1,0 HNDRECT FILTER (XX ha) : XX 010.000 DYISION T. (max 500, 000kg) : XXX,XXX 010.000 HNDRECT FILTER (XX ha) : XXX 010.000 HINDRECT FILTER (XX ha) : XXX 010.000 HINDREAL FILTER (XX ha) : XXX,XXX 010.000 HINDREAL FILTER (XX ha) : XXX,XXX 0006000 HINDREAL FILTER (XX ha) : XXX,XXX 00050,00 HINDREAL FILTER (XX ha) : XXX,XXX 00050,00 HINDREAL FILTER (XX ha) : XXX,XXX 0050,00 GRAVITY Calibration gravity (0) : X,XXXXX 9,81000 Ustilisation gravity (0) : X,XXXXXX <t< th=""><th></th><th></th><th>BELT LENGTH (m) : X,XXX</th><th>1,000</th><th></th></t<>			BELT LENGTH (m) : X,XXX	1,000	
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BANGE M. (1kg to 50000kg): XXXXXX 00010b DIVISION M. (max 500,000kg): XXX, XXX 000.055 INMORITY (0,5d to 3,0d): X, X 1,0 NUMERIC FILTER (XX excrege): XX 30 LOW FASS FILTER (XX hz): XX 00100 INMORETIC FILTER (XX excrege): XX 30 LOW FASS FILTER (XK hz): XX 01000 NUMERIC FILTER (XK hz): XXX 01000 NUMERIC FILTER (XK hz): XXX 01000 NUMERIC FILTER (XK hz): XXX 010000 NUMERIC FILTER (XK hz): XXX 010000 NUMERIC FILTER (XK hz): XXX 010000 NUMERIC FILTER (XK hz): XXXXXX 010000 NUMERIC FILTER (XK hz): XXXXXX 010000 NUMERIC FILTER (XK hz): XXXXXX 000000 NUMERIC FILTER (XK hz): XXXXXX 00000 NUMERIC FILTER (XK hz): XXXXXX 00000 NUMERIC FILTER (XK hz): XXXXXX 00000 SET GAIN Calibration gravity (0): X,XXXX 00000 GRAVITY Calibration gravity (0): X,XXXXX 9,81000 Nailable function if digital load cells or transmitters Notice core Tool CELL NUMERER (0) to 122 00 oci oci<: : : : : : : : : : : : : : : : : : :		METR.PAR	1		
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