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**CONFIGURATION AND USER
MANUAL FOR THE
IDE 400 INDICATOR**

**WEIGH BRIDGE
SOFTWARE**

| Software N° | Manual N° | Edition |
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ARPEGE

AIMO



**L'INFORMATIQUE
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PROMOTION**

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CONFIGURATION AND USER MANUAL FOR THE IDE 400 INDICATOR WEIGH BRIDGE SOFTWARE

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| 17/05/2005 | 00 | Original. |
| 25/11/2005 | 01 | Addition of the COMIDM protocol. |
| 13/12/2005 | 02 | Parameter update for the RP on the CAN Bus. |
| 06/11/2006 | 03 | Correction p17. (Protocol : 0/1/./4, and RS485 on COM1) |
| 07/03/2008 | 04 | Addition of the simplified block diagram and the operating detail. |
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1. PRESENTATION.

1.1. Equipment.

1.1.1. Technical characteristics.

| | |
|---|---------------------|
| Maximum number of scale divisions (legal for trade) | : 6000. |
| Sensitivity | : 0.75 μ v. |
| Power supply of the load cell | : 7.5V square wave. |
| Number of measurements / second, (fast) | : 60, (180). |
| Load impedance (analog load cells) | : > 45 ohms. |

Zero visualized at 1/4 scale division.

Digital adjustment conversational by the front panel.

Power supply 230 V / 50 Hz or 60 Hz + earth < 5 ohms.

DC power supply 12V. (Or 24V in option)

Power consumption : 15 to 25VA max, according to the configuration.

Internal clock and memory backed up by a battery.

LCD screen 240 pixels by 64 pixels composed of the weight on 6 digits of 15 mm and of an operator guide.

Keypad: - 4 metrological Keys,
- and 47 alphanumerical application keys.

1.1.2. The peripherals.

In standard version the IDE 400 indicator disposes of:

* 2 serial links :

COM1 : RS232 and/or RS485 2 wires. (Short distance link : 10 meters max.)

COM2 : Passive current loop, or in option RS232, RS485, active or passive current loop. (Long distance link)

* A parallel interface:

LPT : Printer. (Short distance link : 3 meters max.)

* An input for the analog load cells:

M1 : 6 wires analog load cell(s). (Long distance link : 150 meters max.)



Remark: *Only one cable should be connected to M1. The connection of the load cells in parallel to each other is done separately in a junction box.*

* A CAN interface : (For indicators in digital version or in option for the indicators in analog version)

MASTER CAN : Digital load cell(s) / Terminals. (Long distance link : 600 meters max.)



Remark:
COM1 and COM2 operate at 9600 bauds, 8 bits, no parity, 1 stop.

1.1.3. The options.

* 3 types of printers are available :

- ILA 800 : MASTER-K listing printer 80 columns (1 ticket model)
- ILA410 : MASTER-K listing printer 80 columns (4 ticket models)
- IBA40 : MASTER-K tape printer 40 columns (2 ticket models)

* 2 types of weighing repeaters may be connected :

- RP 15 : Weight repeater of a 15 mm display
- RP 50 : Weight repeater of a 50 mm display

* An optically isolated 4I4O board (0/10V or 4/20mA option)

Definition of the 4 inputs :

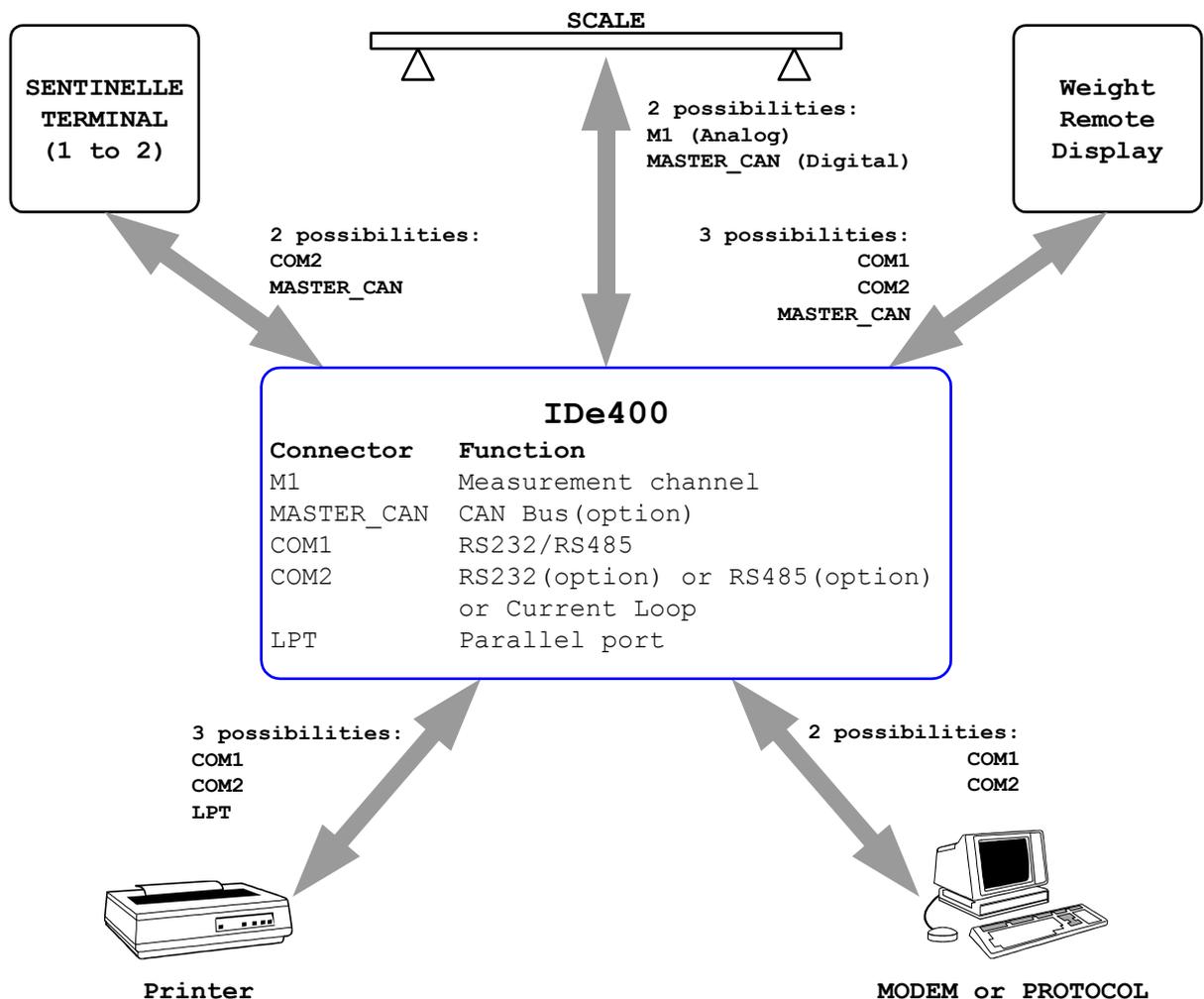
- E1 : Start cycle. (Weight in loading mode)
- E2 : Cancellation.
- E3 : Semi-automatic Tare.
- E4 : Tare erasing.

Definition of the 4 outputs :

- S1 : Low threshold.
- S2 : Weighing finished / weigh bridge evacuation requirement.
- S3 : High speed.
- S4 : Low speed.

* A memory card reader "EXT. MEM." + the memory card of 64 Mbytes. It allows the saving of the adjustment parameters (metrological parameters, functional parameters) as well as the application parameters; it also allows increasing the size of the DSD.

1.1.4. Simplified utilization block diagram.



ATTENTION :

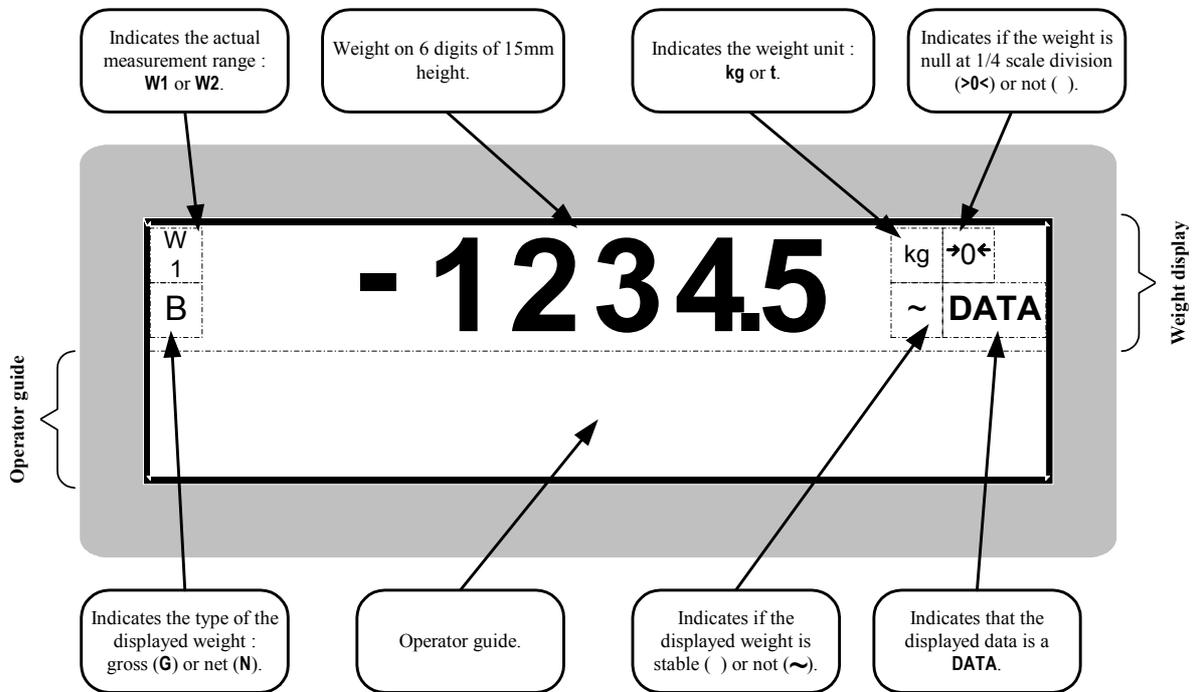


It is possible to accumulate many types of peripherals at the same time on the CAN Bus link (MASTER CAN) while you can connect only one type of peripherals at a time on the other links. (COM1 / COM 2 / LPT).

1.1.5. Display and warning lights.

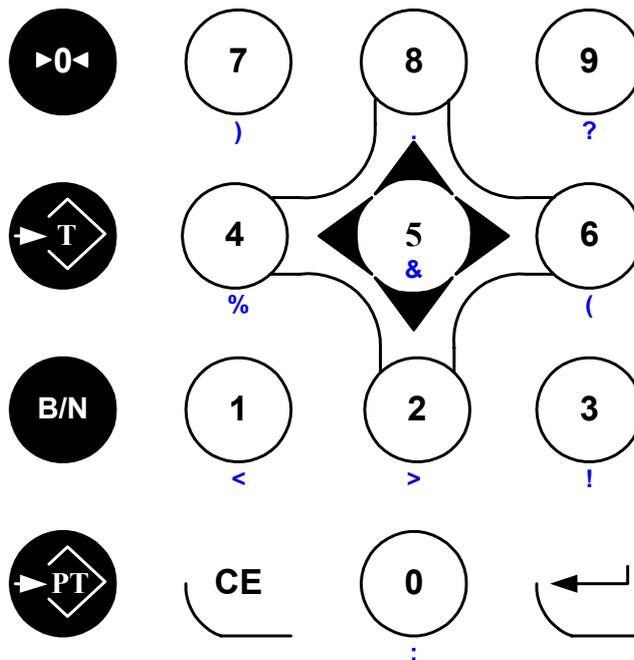
The IDE 400 disposes of an LCD graphic display for the weight and the operator guide offering to the operator a big flexibility of the system use.

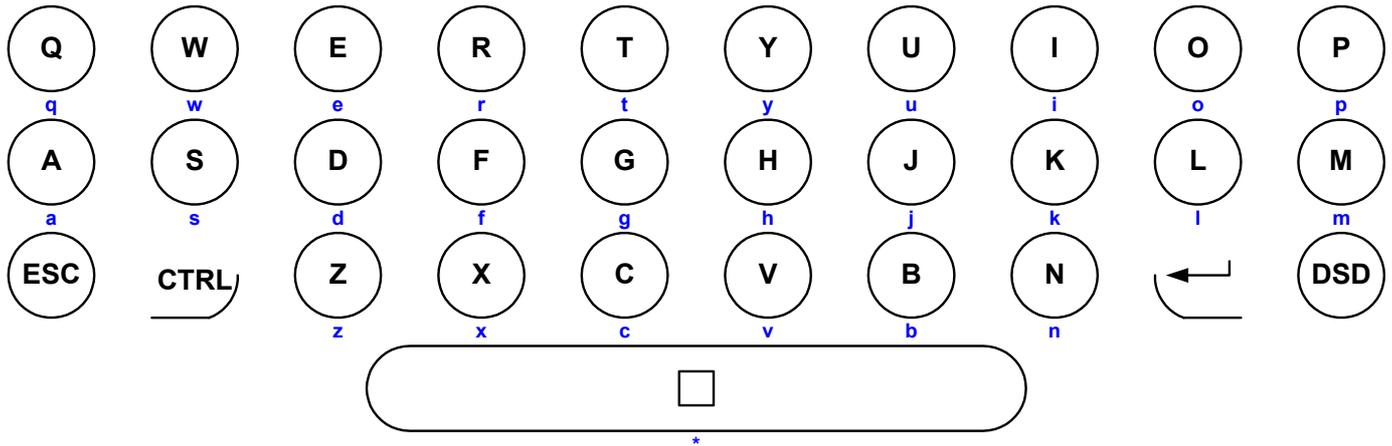
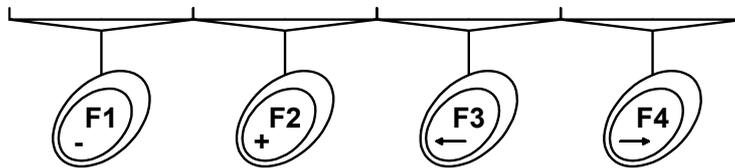
The weight present with its states (Gross / Net, unit, zero, ...) on the scale is displayed in real time at the upper part of the LCD screen. The information of the operator guide facilitating the use of the indicator are displayed on the lower part of the LCD screen.



1.1.6. The keypad of the IDE 400.

Metrological and application keys :



Alphanumerical and application keys :**Function keys :**

: Weighing of a vehicle in "entry" (1st weigh), and suppression of the character pointed by the cursor.



: Weighing of a vehicle in "exit" (2nd weigh), and insertion of a space at the location pointed by the cursor.



: Weighing of a vehicle with a registered tare, and shifting of the cursor to the left.



: Print of a Gross/Tare/Net ticket and shifting of the cursor to the right.



: Implementation of the semi-automatic zero set, the zero set cancels the tare.



: Tare of a mass present on the scale.



: Temporary reminder of the value of the Gross weight when a tare has already been entered.



: Seizure of a tare through the keypad.



: Delete of a data.



: Validation of a data.



: Escape key.



: DSD management (data storage device).



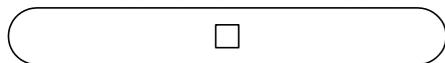
: List of the first weightings. (Management of the entered vehicles file)



: Start of a loading cycle.



: Control for the extension of the write mode.



: Space between two characters.

Keys "A" to "Z" : Seizure of the various alphanumerical data. (Truck number, customer name ...)

Keys "0" to "9" : Seizure of the digital data. (Customer code, keyboard tare ...)

The combination of the key  with some other keys allows generating additional characters: (Combined with the letters "A" to "Z", we have lower-case letters, and combined with the digits "0" to "9" and the space bar "□" we have punctuation characters.)

| | | | | |
|--------------|--------------|--------------|--------------|---------------|
| CTRL / A : a | CTRL / I : i | CTRL / Q : q | CTRL / Y : y | CTRL / 6 : (|
| CTRL / B : b | CTRL / J : j | CTRL / R : r | CTRL / Z : z | CTRL / 7 :) |
| CTRL / C : c | CTRL / K : k | CTRL / S : s | CTRL / 0 : ; | CTRL / 8 : . |
| CTRL / D : d | CTRL / L : l | CTRL / T : t | CTRL / 1 : < | CTRL / 9 : ? |
| CTRL / E : e | CTRL / M : m | CTRL / U : u | CTRL / 2 : > | CTRL / □ : * |
| CTRL / F : f | CTRL / N : n | CTRL / V : v | CTRL / 3 : ! | CTRL / F1 : - |
| CTRL / G : g | CTRL / O : o | CTRL / W : w | CTRL / 4 : % | CTRL / F2 : + |
| CTRL / H : h | CTRL / P : p | CTRL / X : x | CTRL / 5 : & | |

1.2. The Software.

The IDE 400 indicator, equipped with the weighbridge software, was studied to offer weighing functions on scales and weighbridges.

The weighbridge software disposes of:

- 6 files,
- 3 digital references of 6 digits each,
- 3 alphanumerical references of 16 characters each,
- 4 weighing modes:
 - Manual tare,
 - Semi-automatic tare,
 - Tare file,
 - Double weighing,
- Standard or configurable layout of the tickets,
- Addition on the file 1, (Simple addition, crossing file 1 / file 2, crossing file 1 / file 3, and list of the weightings).
- Addition on the file 2, (Simple addition, crossing file 2 / file 3)
- Addition on the file 3, (Simple addition, crossing file 3 / file 2)
- The adding of a 4I/4O board (in option) allows the loading on the weighbridge in gross or net, of a product at two different speeds as well as the management of the traffic light.
- A DSD memory of the first 28 000 weights. (In option, with the external extension memory, DSD of 999 999 weights)

The 6 files :***File n° 1 :***

Name : 16 characters maximum.
Size : 856 registers.
Structure : - Calling Code on 6 digits.
- Label on 21 characters.

File n° 3 :

Name: 16 characters maximum.
Size: 225 registers
Structure : - Calling Code on 3 digits.
- Label on 16 characters.

File DSD :

Size: 28 000 weights.
Structure : - DSD N° on 6 digits.
- Date on 6 digits
- Time on 4 digits.
- Vehicle number on 10 characters.
- File 1 code on 6 digits.
- File 2 code on 3 digits.
- File 3 code on 3 digits.
- Value of the simple data n°1.
- Gross 5 digits.
- Tare 5 digits.
- Net 5 digits.

File n° 2 :

Name: 16 characters maximum.
Size: 225 registers.
Structure : - Calling Code on 3 digits.
- Label on 16 characters.

Fixed tares file :

Size : 200 registers.
Structure : - Reference on 10 characters.
- Tare value on 5 digits.
- Badge code on 4 digits.
- File n°1 code on 6 digits.
- File n°2 code on 3 digits.
- File n°2 code on 3 digits.

Mobile tares file (vehicles in and not out yet)

Not accessible during the configuration, this file is validated when the double weighing mode has been selected.

Size : 60 registers.

2. UTILIZATION OF THE WEIGHING MENU.

2.1. Input weight: .

To execute an input weight, you must press on the key .
Enter the number of the vehicle present on the weighbridge, as well as the validated data. The weight is memorized or printed.

Remarks :

- If the vehicle number entered corresponds to a vehicle already in but not out, the error message "**ERROR E. 51 (ESC)**" will be displayed on the operator guide.
If the memorization file of the input weight is full, the error message "**ERROR MP. 61 (ESC)**" will be displayed on the operator guide.
- If you use the code "0" for one of the three files, the corresponding label is "**miscellaneous**", it is possible to seize it but it will not be recorded.

2.2. Output weight: .

To execute an output weight, you must press on the key .
Give the vehicle number present on the weighbridge as well as the validated data. And the weight is printed.

Remarks :

- If the vehicle number corresponds to a vehicle already out or not yet in, the error message "**ERROR CI. 60 (ESC)**" will be displayed on the operator guide.
- If you use the code "0" for one of the three files, the corresponding label is "**miscellaneous**", it is possible to seize it but it will not be recorded.

2.3. Weight with a tare file : .

To execute a weight with a tare file, you must press on the key .
Give the vehicle number present on the weighbridge as well as the validated data. And the weight is printed.

Remarks:

- If the vehicle number entered does not appear in the tare file, the error message "**ERROR CI. 60 (ESC)**" will be displayed on the operator guide.
- If you use the code "0" for one of the three files, the corresponding label is "**miscellaneous**", it is possible to seize it but it will not be recorded.

2.4. Gross/Tare/Net Weight : .

To execute a Gross/tare/net, you must:

- Position the vehicle on the weighbridge.
- Make a tare, either automatic (key "T") or by entering a keyboard tare value. (Key "PT")
- Press on the key , give the vehicle number present on the weighbridge as well as the validated data.
- The weight is printed.

Remarks: If you use the code "0" for one of the three files, the corresponding label is "miscellaneous", it is possible to seize it but it will not be recorded.

2.5. Loading :

For this you must:

- Position the vehicle on the weighbridge.
- Press on the key .
- Enter the loading informations. (Instruction, LS, ...)
- After the validation of the loading informations, the automatic loading is launched, No ticket is printed.
- To print a ticket of the done loading, you must press on the key , enter the vehicle number present on the scale as well as the validated data.
- The weight is printed.

2.6. Operation of the outputs O1 and O2.

2.6.1. Low threshold output : O1.

This output is activated when the weight is lower than the threshold value.

2.6.2. Finished weighing output : O2.

This output is activated once you have the printing of a weighing ticket and until the weight becomes lower than the threshold value. (Until O1 will be activated)

2.7. Example of a standard ticket printing.

Example with a ticket which does not contain any validated data :

| | |
|---|---|
| MASTER-K ARPEGE | |
| <i>Company name</i> | 38 avenue des Frères Montgolfier BP 186 69 686 Chassieu Cedex |
| <i>Date/time of the first weighing.</i> | DATE : 17/05/2005 TIME : 09h50 |
| <i>Date/time of the weighing.</i> | DATE : 17/05/2005 TIME : 09h50 |
| <i>DSD number of the weighing</i> | WEIGHING NUUMBER : 000006-ES |
| | DSD NUMBER : 000002 |
| | VEHICLE No : 789AGH69 |
| <i>GROSS / TARE / NET weights.</i> | GROSS : 46720kg |
| | TARE : 11660kg |
| | NET : 35060kg |
| <i>End of ticket</i> | Observations: Signature : |

*Number (XXXXXX) and type (YY) of the weighing:
ES : Input/Output weighing,
TF : Tare file weighing,
TM : Gross/Tare/Net weight.*

Input/output identifier and its attributed label.

Example of a ticket containing all the validated data :

| MASTER-K ARPEGE | |
|---|------------------|
| 38 avenue des Frères Montgolfier BP 186 69 686 Chassieu Cedex | |
| DATE : 17/05/2005 | TIME : 09h29 |
| DATE : 17/05/2005 | TIME : 09h45 |
| WEIGHING NUMBER : 000004-ES | |
| DSD NUMBER : 000001 | |
| VEHICLE No : 1245ACC69 | |
| CUSTOMER : 000078 | GTP Construction |
| PRODUCT : 004 | Sable fin |
| TRANSPORTER : 127 | Transpomat |
| Der. Treatment : 110505 | |
| Humidity in % : 012.500 | |
| Impurety in % : 002.500 | |
| Field : Stock | GTP |
| Distance : 45 Km | |
| Operator : E. LEGRAND | |
| GROSS | : 38060kg |
| TARE | : 14440kg |
| NET | : 23620kg |
| Observations: | |
| Signature : | |

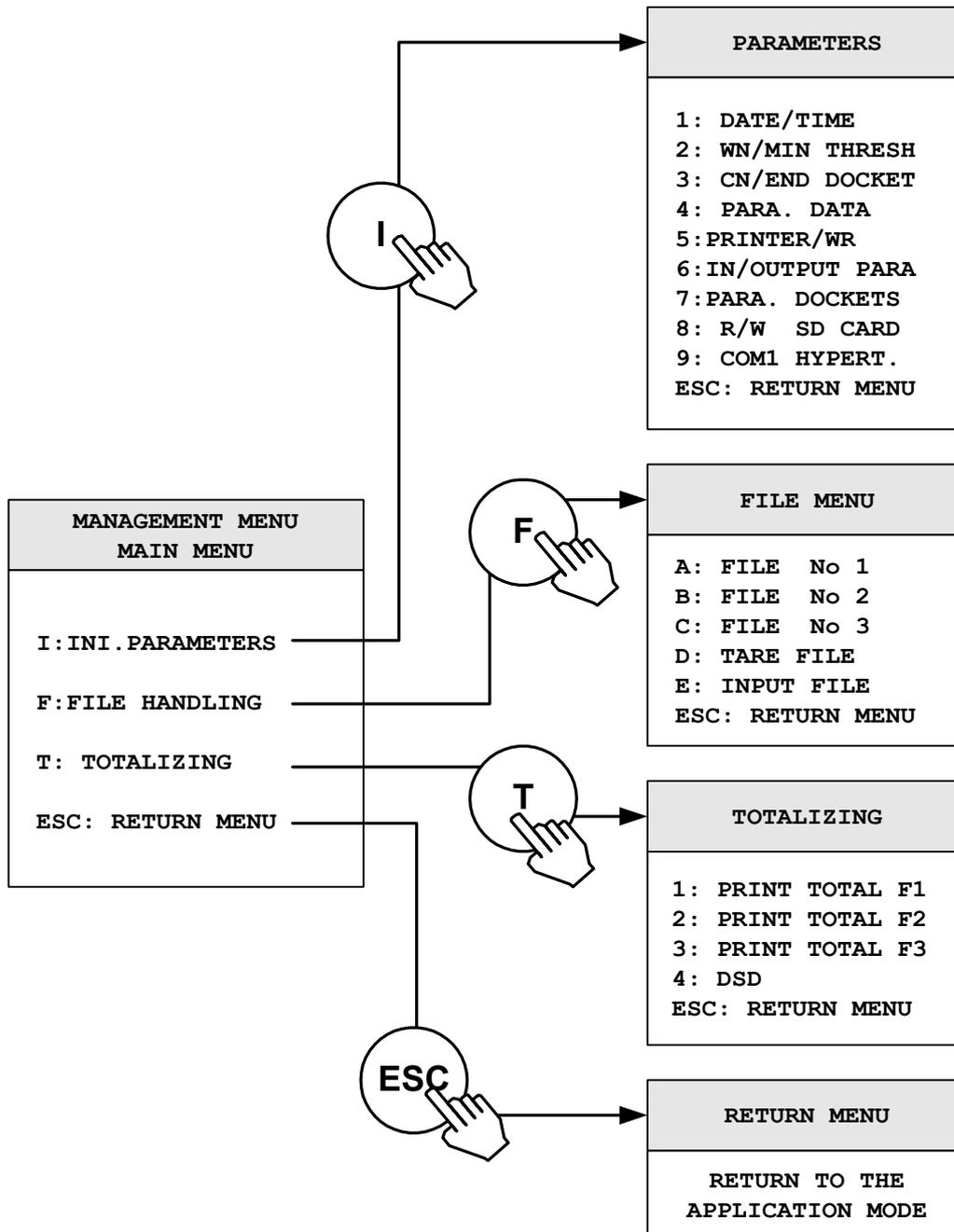
Annotations:

- Company name** (bracketed on the left)
- Date/Time of the first weighing** (arrow to first DATE/TIME)
- Date/time of the weighing** (arrow to second DATE/TIME)
- DSD number of the weighing** (arrow to DSD NUMBER)
- Name of the file 1 with its attributed code and label.** (arrow to VEHICLE No)
- Name of the file 2 with its attributed code and label.** (arrow to CUSTOMER)
- Name of the file 3 with its attributed code and label.** (arrow to PRODUCT)
- Name of the simple data n°1 and its attributed data.** (arrow to Der. Treatment)
- Name of the simple data n°2 and its attributed data.** (arrow to Humidity in %)
- Name of the simple data n°3 and its attributed data.** (arrow to Impurety in %)
- Name of the simple data n°4 and its attributed data.** (arrow to Field)
- Name of the simple data n°5 and its attributed data.** (arrow to Distance)
- Name of the simple data n°6 and its attributed data.** (arrow to Operator)
- GROSS / TARE / NET weight.** (bracketed on the left)
- End of ticket** (bracketed on the left)
- Number (XXXXXX) and type (YY) of the weighing:** (arrow to WEIGHING NUMBER)
- ES : Input/Output weighing,**
- TF : Tare file weighing,**
- TM : Gross/Tare/Net weight.**
- INput/Output identifier and its attributed label** (arrow to WEIGHING NUMBER)
- Name of the simple data n°1 and its attributed data.** (arrow to Der. Treatment)
- Name of the simple data n°3 and its attributed data.** (arrow to Impurety in %)
- Name of the simple data n°5 and its attributed data.** (arrow to Distance)

3. PARAMETERIZATION.

To access to the different parameterization menu of the indicator, you must :

- Press on the key G,
- Enter the key code "7806",
- The indicator will then display the following main menu :



3.1. I : Initialization of the parameters.

When you are in the main menu, press on the key  to access the "PARAMETERS" menu, you will get the following menu :

| PARAMETERS | |
|------------|----------------|
| 1 : | DATE/TIME |
| 2 : | WN/MIN THRESH |
| 3 : | CN/END DOCKET |
| 4 : | PARA. DATA |
| 5 : | PRINTER/WR |
| 6 : | IN/OUTPUT PARA |
| 7 : | PARA. DOCKETS |
| 8 : | R/W SD CARD |
| 9 : | COM1 HYPERT. |
| ESC : | RETURN MENU |

3.1.1. Date / Time : 1.

Press on the key "1" to access to this function. You must enter the following parameters :

DD/MM/YY HHhMM Enter the date and time desired, and validate with 
(Format : 07/05/03 15h00 for the 7th of May 2003 at 15h00min00s)

Return to the "PARAMETERS" menu.

3.1.2. Weighing number / minimum threshold : 2.

Press on the key "2" to access to this function. You must enter the following parameters:

No TICKET : XXXXXX Enter the weighing number on 6 digits, and validate with 
Pds MINI. : XXXXXYY Enter the value of the minimum threshold on 5 digits, and validate with 
(YY = unit used, "kg" or "t")
EFF. TARE : X Choose the erasing or not of the tare after the weighing, and validate with 
0 = No,
1 = Yes.

Return to the "PARAMETERS" menu.

3.1.3. Company name, end of ticket : 3.

Press on the key "3" to access to this function. You must enter the following parameters :

Enter the first line of the company name (20 characters in a double width), and validate with 
> *****

Enter the second line of the company name (39 characters), and validate with 
> -----

Enter the third line of the company name (39 characters), and validate with 
> -----

Enter the fourth line of the company name (39 characters), and validate with 
> -----

Enter the first line of the end of ticket (39 characters), and validate with 
> -----

Choose the utilization mode of the file n°3, and validate with .

MODE F3 : XY X = 0 : No erasing of the calling code before the seizure and no intelligent management of the file.
 1 : Erasing of the calling code before the seizure without intelligent management of the file.
 2 : Intelligent management of the file * without erasing the data before the seizure.
 3 : Intelligent management of the file * and erasing the data before the seizure.
 Y = 0 : Disabled data.
 1 : Data seizure in input weighing.
 2 : Data seizure in output weighing.
 3 : Data seizure in input and output weighing.

Choose the utilization mode of the simple data n°1, and validate with .

MODE DS1 : XY X = 0 : No erasing of the data before the seizure.
 1 : Erasing of the data before the seizure.
 Y = 0 : Disabled data.
 1 : Data seizure in input weighing.
 2 : Data seizure in output weighing.
 3 : Data seizure in input and output weighing.

Choose the utilization mode of the simple data n°2, and validate with .

MODE DS2 : XY X = 0 : No erasing of the data before the seizure.
 1 : Erasing of the data before the seizure.
 Y = 0 : Disabled data.
 1 : Data seizure in input weighing.
 2 : Data seizure in output weighing.
 3 : Data seizure in input and output weighing.

Choose the utilization mode of the simple data n°3, and validate with .

MODE DS3 : XY X = 0 : No erasing of the data before the seizure.
 1 : Erasing of the data before the seizure.
 Y = 0 : Disabled data.
 1 : Data seizure in input weighing.
 2 : Data seizure in output weighing.
 3 : Data seizure in input and output weighing.

Choose the utilization mode of the simple data n°4, and validate with .

MODE DS4 : XY X = 0 : No erasing of the data before the seizure.
 1 : Erasing of the data before the seizure.
 Y = 0 : Disabled data.
 1 : Data seizure in input weighing.
 2 : Data seizure in output weighing.
 3 : Data seizure in input and output weighing.

Choose the utilization mode of the simple data n°5, and validate with .

MODE DS5 : XY X = 0 : No erasing of the data before the seizure.
 1 : Erasing of the data before the seizure.
 Y = 0 : Disabled data.
 1 : Data seizure in input weighing.
 2 : Data seizure in output weighing.
 3 : Data seizure in input and output weighing.

Choose the utilization mode of the simple data n°5, and validate with .

MODE DS6 : XY X = 0 : No erasing of the data before the seizure.
 1 : Erasing of the data before the seizure.
 Y = 0 : Disabled data.
 1 : Data seizure in input weighing.
 2 : Data seizure in output weighing.
 3 : Data seizure in input and output weighing.

Enter the position of the comma of the simple data 1, and validate with . (Number of digits to the left of the comma)

VIRG DS1 : X

Enter the position of the comma of the simple data 2, and validate with . (Number of digits to the left of the comma)

VIRG DS2 : X

Enter the position of the comma of the simple data 3, and validate with . (Number of digits to the left of the comma)

VIRG DS3 : X

Return to the "**PARAMETERS**" menu.

3.1.5. Printer / Remote display : 5.

Press on the key "5" to access to this function. You must enter the following parameters :

Define the parameters for the printing, and validate with .

IMPRIM. : XY X = 1 : Printer connected on COM1,
2 : Printer connected on COM2,
P : Printer connected on LPT.
Y = 1 : ILA printer,
2 : IBA printer.

Define the parameters for the remote display, and validate with .

RP : X 0 : No remote display,
1 : Remote display on COM1,
2 : Remote display on COM2,
C : Remote display on MASTERCAN. (CAN Bus)

Define the parameters for the option board, and validate with .

CARTE E/S : X 0 : No option board,
1 : 4I4O board, with or without 0-10V / 4-20mA analog output.

Define the ticket length in number of line feed, and validate with . (From 00 to 99)

L. PAPIER : XX

Define the parameters for the modem, and validate with .

MODEM : XX 00 : No modem,
01 : Modem on COM1,
02 : Modem on COM2.

Define the required protocol, and validate with .

PROTOCOLE : X 0 : No protocol,
1 : ERIC Protocol on COM1,
2 : ERIC Protocol on COM2,
3 : COMIDM Protocol on COM1,
4 : COMIDM Protocol on COM2.

Define the station number of the indicator, and validate with . (2 digits)

No IDe : XX

Define the management of the desired terminals, and validate with .

BIP : XY X = 1 : Terminal(s) connected on COM1. (RS485)
2 : Terminal(s) connected on COM2. (Current loop or RS485)
C : Terminal(s) connected on MASTERCAN. (CAN Bus)
Y = 0 : No printer.
1 : Printer with 1 weighing ticket.
2 : Printer with 2 weighing tickets.

Activate or no the DSD storage on the memory extension board, and validate with .

SD CARD : X 0 : DSD storage on the memory extension board is disabled,
1 : DSD storage on the memory extension board is enabled.

Return to the "**PARAMETERS**" menu.

3.1.6. Input/Output parameters : 6.

Press on the key "6" to access to this function. You must enter the following parameters :

Enter the Input/Output identifier (16 characters), and validate with .

IDENTIFI. : **XXXXXXXXXXXXXXXXXXXX**

Activate or no the input/output weighing and the input ticket, and validate with .

MODE E/S : **X** 0 : Input/Output disabled,
 1 : Input/Output enabled and output ticket,
 2 : Input/Output enabled and input and output ticket.

Return to the "**PARAMETERS**" menu.

3.1.7. Ticket configuration: 7.

Press on the key "7" to access to this function. The following menu will be available :

| DOCKET PARAMETERS |
|-------------------|
| 1: INPUT DOCKET |
| 2: OUTPUT DOCKET |
| 3: G/T/N DOCKET |
| 4: ERIC.COMIDM DO |
| 5: PRINT MATRICES |
| ESC: RETURN MENU |

Press on the key "1" to access to the modification of the input ticket, you must enter the following parameter.

TICKET STANDARD : **X** Choose or not the standard ticket in INPUT, and validate with .

0 : No, (If you validate 0 you will have to seize the ticket matrix, See 3.5. the configurable tickets)
1 : Yes.

Return to the "**PARAMETERS DOCKET**" menu.

Press on the key "2" to access to the modification of the output ticket, you must enter the following parameter.

TICKET STANDARD : **X** Choose or not the standard ticket in OUTPUT and validate with .

0 : No, (If you validate 0, you must enter the ticket matrix, See 3.5. the configurable tickets)
1 : Yes.

Return to the "**PARAMETERS DOCKET**" menu .

Press on the key "3" to access to the modification of the GROSS/TARE/NET weighing ticket, you must enter the following parameter.

TICKET STANDARD : **X** Choose or not the standard weighing ticket in G/T/N, and validate with .

0 : No, (if you validate 0 you must enter the ticket matrix, See 3.5. the configurable tickets)
1 : Yes.

Return to the "**PARAMETERS DOCKET**" menu.

Press on the key "4" to print the configuration of these three tickets as well as the content of the configurable ticket of each one, then return to the "**PARAMETERS DOCKET**" menu.

Press on the key "**ESC**" to return to the "**PARAMETERS**" menu.

3.1.8. Return to the MAIN menu : ESC.

Press on the key "ESC" to return to the main menu, the indicator displays "SAUVEGARDE" during a certain time.

ATTENTION :



If the important parameters had been modified, so after displaying "SAUVEGARDE" The indicator displays "PRINTING" and all the parameters of the "parameters initialization" will be printed. Then return or not to the main menu but under the weighing mode "WEIHING MENU".

3.2. F : Files menu.

When you are in the main menu, press on the key  to access to the "FILE MENU", you will get the following menu:

| FILE MENU |
|------------------|
| A: FILE No 1 |
| B: FILE No 2 |
| C: FILE No 3 |
| D: TARE FILE |
| E: INPUT FILE |
| ESC: RETURN MENU |

3.2.1. File N°1 : A.

Press on the key "A" to access to this function. The operator guide indicates on its first line the name of the file n°1 (By default: CUSTOMER) and on the second line, you will have the following menu:

| A: FILE N°1 |
|------------------|
| 1=PRINT FILE |
| 2=CHANGE LINE |
| 3=DEL RECORD |
| 4=DEL FILE |
| 5= IDe --> PC |
| 6= PC --> IDe |
| 7= IDe-> SD CARD |
| 8= SD CARD ->IDe |
| ESC: RETURN MENU |

3.2.1.1. File printing : 1.

Press on the key "1", the operator guide displays on its second line "**PRINTING**" and the content of the file n°1 will be printed.

Example of a printing :

```

DATE : 10/05/2005      TIME : 12.15
      CUSTOMER
-----
: 000000 : MISCELLANEOUS :
: 000001 : CUSTOMER N1       :
: 000002 : CUSTOMER N2       :

```

The first field corresponds to the customer "**CODE**" and the second field corresponds to the customer "**NAME**". Once the printing is finished, return to the "**File N°1**" menu.

3.2.1.2. Modification or creation of a file's line : 2.

Press on the key "2", the operator guide displays on its second line the following parameters to be entered:

CODE : **XXXXXX** Enter the required customer code (6 digits), and validate with ↵.

NAME : **XXXXXXXXXXXXXXXXXX** Enter the required customer name (16 characters), and validate with ↵.

The operator guide displays on its second line "**CODE** : **XXXXXX**", you may continue the modifications or creations of lines in this file.

Return to the "**File N°1**" menu by pressing on the key "**ESC**" when the operator guide displays on its second line "**CODE** : **XXXXXX**".

3.2.1.3. Erasing of a file's line : 3.

Press on the key "3", the operator guide displays on its second line "**TAPE KEY CODE**". Then you have only 4 seconds to enter the following key code "**7806**". The operator guide displays on its second line the following parameters to be entered:

CODE : **XXXXXX** Enter the customer code to be erased (6 digits), and validate with ↵.

0=NO 1=Yes Confirm or not your erasing request by pressing on the appropriate key "0" or "1". (The customer name to be erased will be displayed on the first line of the operator guide).

DEL LINE OK The line is deleted, validate with ↵. (The name of the deleted customer is displayed on the first line of the operator guide).

The operator guide displays on its second line "**CODE** : **XXXXXX**", you may continue the erasing of the file's lines.

Return to the "**File N°1**" menu by pressing on the key "**ESC**" when the operator guide displays on its second line "**CODE** : **XXXXXX**".

3.2.1.4. Erasing of a file : 4.

Press on the key "4", the operator guide displays on its second line "**TAPE KEY CODE**". Then you have only 4 seconds to enter the following key code "**2110**".

The operator guide displays on its second line "**INITIALIZE (ESC)**", press on the key "**ESC**" to return to the "**File N°1**" menu.

3.2.1.5. File transmission from the indicator toward a computer : 5.

For this you will have to :

- Connect the computer (on Com1) with the IDE (on Com1).
- Launch the Hyper terminal software. (Access path of hyperterm.exe: "**C:\Program Files\Accessories\HyperTerminal\HYPERTRM.EXE**")
- Give a name to the connection and validate (TERMINAL.IDE).
- Then in the heading "Connect using" you must validate "Direct to Com1".
- Then, configure the connection in 9600 Bauds, 8 bits, no parity, one stop, and no flow control.

The computer is ready to communicate with the indicator.

Press on the key "5" on the indicator, the operator guide displays on its second line "HYPERTERMINAL tr" and the following informations are visualized on the PC screen:

```
" -Put HyperTerminal in CAPTURE TEXT mode then START
  ENTER key to start the transfer
  -At the end of the transfer put in CAPTURE mode then STOP
  ENTER key to return to the MENU"
```

For this, always under HyperTerminal, go to "Transfer" then in "Capture the text", define the file name to be saved and validate "START".

You launch the transfer with the "ENTER" key. The required file defiles on the screen.

Once the transfer is finished, you must close the capture. For this, you must go in "Transfer" then in "Capture the text" and then "STOP".

To go back to the indicator, press on the key "ENTER". You will return to the "File N°1" menu.

Remark: The file .TXT is directly exploitable by EXCEL.

3.2.1.6. Reception of a file from a computer toward an indicator : 6.

For this you must :

- Connect the computer (on Com1) with the IDE (on Com1).
- Launch the Hyper terminal software. (Access path of hyperterm.exe: "C:\Program Files\Accessories\HyperTerminal\HYPERTRM.EXE")
- Give a name to the connection and validate (TERMINAL.IDE).
- Then in the heading "Connect using" you must validate "Direct to Com1".
- Then, configure the connection in 9600 Bauds, 8 bits, no parity, one stop, and no flow control.

The PC is ready to communicate with the indicator.

Press on the key "6" on the indicator, the operator guide displays on its second line "HYPERTERMINAL re" and the following informations are visualized on the screen:

```
" -Put HyperTerminal in flow control mode Xon/Xoff
  then Transfer and SEND THE TEXT FILE"
```

For this, always under HyperTerminal, you must go in "File", "Properties", and then in "Configured", pass the "flow control» parameter in "Xon/Xoff" mode. Validate twice "OK".

Then you must go to "Transfer" then in "Send the text file", define the file to be loaded and validate "Open". The file defiles on the screen, and you will return to the "File N°1" menu.

Remark: Do not forget to re-pass the "Flow control " parameter in "Nothing" mode.

3.2.1.7. Saving of a file from the indicator toward the memory extension board : 7.

Press on the key "7" on the indicator, the operator guide displays on its second line "WRITING . ." during the saving period and it will return to the "File N°1" menu.

3.2.1.8. Recuperation of a file from the extension memory board to the indicator : 8.

Press on the key "8" on the indicator, the operator guide displays on its second line "READING . ." during the recuperation period and it will return to the "File N°1" menu.

3.2.1.9. Return to the files menu : ESC.

Press on the key "ESC" to return to the "FILES MENU".

3.2.2. File N°2 : B.

Press on the key "B" to access to this function. The operator guide indicates on its first line the name of the file n°2 (By default: PRODUCT) and on the second line, you will have the following menu:

| B : FILE N° 2 |
|---|
| 1=PRINT FILE 2=CHANGE LINE 3=DEL RECORD 4=DEL FILE 5= IDe --> PC 6= PC --> IDe 7= IDe-> SD CARD 8= SD CARD ->IDe ESC: RETURN MENU |

3.2.2.1. File printing : 2.

Press on the key "1", the operator guide displays on its second line "PRINTING" and the content of the file n°2 will be printed.

Example of a printing:

| | |
|-------------------|-------------------|
| DATE : 10/05/2005 | TIME : 14.44 |
| PRODUCT | |
| ----- | |
| : 000 | : MISCELLANEOUS : |
| : 001 | : PRODUCT 1 : |
| : 002 | : PRODUCT 2 : |

The first field corresponds to the product "CODE" and the second field corresponds to the product "NAME". Once the printing is finished, return to the "File N°2" menu.

3.2.2.2. Modification or creation of a file's line : 2.

Press on the key "2", the operator guide displays on its second line the following parameters to be entered:

CODE : XXXXXX Enter the required product code (3 digits), and validate with .

NAME :XXXXXXXXXXXXXXXXXX Enter the required product name (16 characters), and validate with .

The operator guide displays on its second line "CODE : XXXXXX", you may continue the modifications or creations of lines in this file.

Return to the "File N°2" menu by pressing on the key "ESC" when the operator guide displays on its second line "CODE : XXXXXX".

3.2.2.3. Erasing of a file's line : 3.

Press on the key "3", the operator guide displays on its second line "TAPE KEY CODE". Then you have only 4 seconds to enter the following key code "7806". The operator guide displays on its second line the following parameters to be entered:

CODE : XXXXXX Enter the product code to be erased (3 digits), and validate with .

0=NO 1=YES Confirm or not your erasing request by pressing on the appropriate key "0" or "1". (The product name to be erased will be displayed on the first line of the operator guide).

DEL LINE OK The line is deleted, validate with . (The name of the deleted product is displayed on the first line of the operator guide).

The operator guide displays on its second line "CODE : XXXXXX", you may continue the erasing of the file's lines.

Return to the "File N°2" menu by pressing on the key "ESC" when the operator guide displays on its second line "CODE : XXXXXX".

3.2.2.4. Erasing of a file : 4.

Press on the key "4", the operator guide displays on its second line "TAPE KEY CODE". Then you have only 4 seconds to enter the following key code "2110".

The operator guide displays on its second line "INITIALIZE (ESC)", press on the key "ESC" to return to the "File N°2" menu.

3.2.2.5. Transmission of a file from the indicator toward a computer: 5.

Same as the paragraph "3.2.1.5. Transmission of a file from the indicator toward a computer : 5"

3.2.2.6. Reception of a file from the computer toward an indicator: 6.

Same as the paragraph "3.2.1.6. Reception of a file from the computer toward an indicator : 6"

3.2.2.7. Saving of a file from the indicator toward the memory extension board: 7.

Press on the key "7" on the indicator, the operator guide displays on its second line "WRITING . ." during the saving period and it will return to the "File N°2" menu.

3.2.2.8. Recuperation of a file from the memory extension board to the indicator: 8.

Press on the key "8" on the indicator, the operator guide displays on its second line "READING . ." during the recuperation period and it will return to the "File N°2" menu.

3.2.2.9. Return to the files menu : ESC.

Press on the key "ESC" to return to the "FILES MENU".

3.2.3. File N°3 : C.

Press on the key "C" to access to this function. The operator guide indicates on its first line the name of the file n°3 (By default: TRANSPORTER) and on the second line, you will have the following menu:

| |
|----------------------------|
| C : FILE N°3 |
| 1=PRINT FILE |
| 2=CHANGE LINE |
| 3=DEL RECORD |
| 4=DEL FILE |
| 5= IDe --> PC |
| 6= PC --> IDe |
| 7= IDe-> SD CARD |
| 8= SD CARD ->IDe |
| ESC: RETURN MENU |

3.2.3.1. Printing of a file : 2.

Press on the key "1", the operator guide displays on its second line "**PRINTING**" and the content of the file n°3 will be printed

Example of a printing :

```

DATE : 10/05/2005      TIME : 14.56
TRANSPORTER
-----
: 000 :MISCELLANEOUS  :
: 001 :TRANSPORTER N1  :
: 002 :TRANSPORTER N2  :

```

The first field corresponds to the transporter "**CODE**" and the second field corresponds to the transporter "**NAME**".

Once the printing is finished, return to the "**File N°3**" menu.

3.2.3.2. Modification or creation of a file's line : 2.

Press on the key "2", the operator guide displays on its second line the following parameters to be entered:

CODE : **XXXXXX** Enter the required transporter code (3 digits), and validate with ↵.

NAME : **XXXXXXXXXXXXXXXXXXXX** Enter the required transporter name (16 characters), validate with ↵.

The operator guide displays on its second line "**CODE** : **XXXXXX**", you may continue the modifications or creations of lines in this file.

Return to the "**File N°3**" menu by pressing on the key "**ESC**" when the operator guide displays on its second line "**CODE** : **XXXXXX**".

3.2.3.3. Erasing of a file's line : 3.

Press on the key "3", the operator guide displays on its second line "**TAPE KEY CODE**". Then you have only 4 seconds to enter the following key code "**7806**". The operator guide displays on its second line the following parameters to be entered:

CODE : **XXXXXX** Enter the transporter code to be erased (3 digits), and validate with ↵.

0=NO 1=YES Confirm or not your erasing request by pressing on the appropriate key "0" or "1". (The transporter name to be erased will be displayed on the first line of the operator guide).

DEL LINE OK The line is deleted, validate with ↵. (The name of the deleted transporter is displayed on the first line of the operator guide).

The operator guide displays on its second line "**CODE** : **XXXXXX**", you may continue the erasing of the file's lines.

Return to the "**File N°3**" menu by pressing on the key "**ESC**" when the operator guide displays on its second line "**CODE** : **XXXXXX**".

3.2.3.4. Erasing of a file : 4.

Press on the key "4", the operator guide displays on its second line "**TAPE KEY CODE**". Then you have only 4 seconds to enter the following key code "**2110**".

The operator guide displays on its second line "**INITIALIZE (ESC)**", press on the key "**ESC**" to return to the "**File N°3**" menu.

3.2.3.5. Transmission of a file from the indicator toward a computer: 5.

Same as the paragraph "3.2.1.5. Transmission of a file from the indicator toward a computer : 5"

3.2.3.6. Reception of a file from the computer toward an indicator: 6.

Same as the paragraph "3.2.1.6. Reception of a file from the computer toward an indicator : 6"

3.2.3.7. Saving of a file from the indicator toward the memory extension board: 7.

Press on the key "7" on the indicator, the operator guide displays on its second line "**WRITING . . .**" during the saving period and it will return to the "**File N°3**" menu.

3.2.3.8. Recuperation of a file from the memory extension board to the indicator: 8.

Press on the key "8" on the indicator, the operator guide displays on its second line "READING .." during the recuperation period and it will return to the "File N°3" menu.

3.2.3.9. Return to the files menu : ESC.

Press on the key "ESC" to return to the "FILES MENU".

3.2.4. Tares file: D.

Press on the key "D" to access to this function. The operator guide indicates on its first line the name of the tares file (FIXED TARES) and on the second line, you will have the following menu:

```

D: FIXED TARES

1=PRINT FILE
2=CHANGE LINE
3=DEL RECORD
4=DEL FILE
5=  IDe --> PC
6=  PC --> IDe
7= IDe-> SD CARD
8= SD CARD ->IDe
ESC: RETURN MENU

```

3.2.4.1. Printing of a file : 2.

Press on the key "1", the operator guide displays on its second line "PRINTING" and the content of the tares file will be printed

Example of a printing :

```

DATE : 10/05/2005      TIME : 15.31
      TF
CODE TARE : TARE :BADGE: F1 : F2: F3
-----
1234AA69 : 05400kg: 1234:000001:001:001
9852ACG69 : 08000kg: 4567:000002:001:001

```

The first field corresponds to the "CODE" of the fixed tare, the second field corresponds to the value of its "TARE", the third field corresponds to the value of the appointed "BADGE", the fourth field corresponds to the calling code of the appointed "CUSTOMER", the fifth field corresponds to the calling code of the appointed "PRODUCT", the sixth field corresponds to the calling code of the "TRANSPORTER".

Once the printing is finished, return to the "Tare File" menu.

3.2.4.2. Modification or creation of a file's line : 2.

Press on the key "2", the operator guide displays on its second line the following parameters to be entered:

| | |
|--------------------------|---|
| CODE : XXXXXX | Enter the required fixed tare code (10 characters), and validate with ↵. |
| TARE : XXXXXYY | Enter the required tare value (5 digits with YY= unit), validate with ↵. |
| CODE BADGE : XXXX | Enter the required badge code (4 digits), and validate with ↵. |
| CODE F1 : XXXXXX | Enter the required "CUSTOMER" calling code (6 digits), and validate with ↵. |
| CODE F2 : XXX | Enter the required "PRODUCT" calling code (3 digits), and validate with ↵. |

CODE F3 : XXX Enter the required "TRANSPORTER" calling code (3 digits), and validate with .

The operator guide displays on its second line "CODE : XXXXXXXXXXXX", you may continue the modification or the creation of the file's lines.

Return to the "Tare File" menu by pressing on the key "ESC" when the operator guide displays on its second line "CODE : XXXXXXXXXXXX".

3.2.4.3. Erasing of a file's line : 3.

Press on the key "3", the operator guide displays on its second line "TAPE KEY CODE". Then you have only 4 seconds to enter the following key code "7806". The operator guide displays on its second line the following parameters to be entered:

CODE : XXXXXXXXXXXX Enter the code of the fixed tare to be erased (3 digits), and validate with .

0=NO 1=YES Confirm yes or no your erasing requirement by pressing on the appropriate key "0" or "1". (The name of the fixed tare to be erased will be displayed on the first line of the operator guide)

DEL LINE OK The line has been deleted, validate with . (The name of the deleted fixed tare will be displayed on the first line of the operator guide)

The operator guide displays on its second line "CODE : XXXXXXXXXXXX", you may continue the erasing of the file's lines.

Return to the "tare file" menu by pressing on the key "ESC" when the operator guide displays on its second line "CODE : XXXXXXXXXXXX".

3.2.4.4. Erasing of a file : 4.

Press on the key "4", the operator guide displays on its second line "TAPE KEY CODE". Then you have only 4 seconds to enter the following key code "2110".

The operator guide displays on its second line "INITIALIZE (ESC)", press on the key "ESC" to return to the "Tare file" menu.

3.2.4.5. Transmission of a file from the indicator toward a computer: 5.

Same as the paragraph "3.2.1.5. Transmission of a file from the indicator toward a computer : 5"

3.2.4.6. Reception of a file from the computer toward an indicator: 6.

Same as the paragraph "3.2.1.6. Reception of a file from the computer toward an indicator: 6"

3.2.4.7. Saving of a file from the indicator toward the memory extension board: 7.

Press on the key "7" on the indicator, the operator guide displays on its second line "WRITING . ." during the saving period and it will return to the "Tare file" menu

3.2.4.8. Recuperation of a file from the memory extension board to the indicator: 8.

Press on the key "8" on the indicator, the operator guide displays on its second line "READING . ." during the recuperation period and it will return to the " Tare file " menu

3.2.4.9. Return to the files menu : ESC.

Press on the key "ESC" to return to the "FILES MENU".

3.2.5. Inputs File : E.

Press on the key "E" to access to this function. The operator guide indicates on its first line the name of the tares file (INPUTS MEMORY) and on the second line, you will have the following menu:

```

E : INPUT STORE

1=PRINT FILE
2=CHANGE LINE
3=DEL RECORD
4=DEL FILE
5=  IDe --> PC
6=  PC --> IDe
7=  IDe-> SD CARD
8=  SD CARD ->IDe
ESC: RETURN MENU

```

Remark : When you press on the key  in the application mode, you will access directly to this menu.

3.2.5.1. Printing of a file : 2.

Press on the key "1", the operator guide displays on its second line "PRINTING" and the content of the tares file will be printed

Example of a printing:

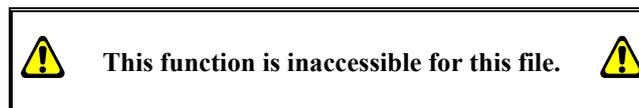
```

VEHICLE No
DATE : 10/05/2005      TIME : 16.16
-----
:1567ABN69 : 08370kg: 10 05 05  15 58:
:159KK69   : 07740kg: 09 05 05  14 04:

```

The first field corresponds to the vehicle code already in, the second field corresponds to the weight of the vehicle when it got in, and the third field corresponds to the date and time of the vehicle entry. Once the printing is finished, return to the "Input File" menu.

3.2.5.2. Modification or creation of a file's line : 2.



3.2.5.3. Erasing of a file's line : 3.

Press on the key "3", the operator guide displays on its second line "TAPE KEY CODE". Then you have only 4 seconds to enter the following key code "7806". The operator guide displays on its second line the following parameters to be entered:

VEHICLE No :XXXXXXXXXX Enter the required code of the vehicle in to be erased (10 characters), and validate with .

0=NO 1=YES Confirm yes or no the erasing requirement by pressing on the appropriate key "0" or "1". (The value of the first weighing of the vehicle in to be erased will be displayed on the first line of the operator guide).

DEL LINE OK The line has been deleted, validate with . (The erased value of the first weighing of the vehicle in will be displayed on the first line of the operator guide)

The operator guide displays on its second line "VEHICLE No :XXXXXXXXXX", you may continue the erasing of the lines in this file.

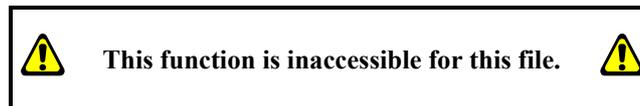
Return to the "Input file" menu by pressing on the key "ESC" when the operator guide displays on its second line "VEHICLE No:XXXXXXXX".

3.2.5.4. Erasing of a file : 4.

Press on the key "4", the operator guide displays on its second line "TAPE KEY CODE". Then you have only 4 seconds to enter the following key code "2110".

The operator guide displays on its second line "INITIALIZE (ESC)", press on the key "ESC" to return to the "Input file" menu.

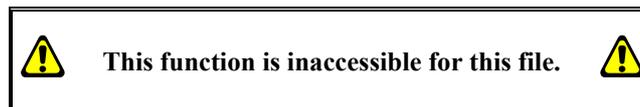
3.2.5.5. Transmission of a file from the indicator toward a computer: 5.



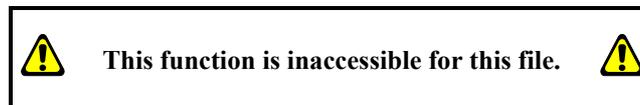
3.2.5.6. Reception of a file from the computer toward an indicator: 6.



3.2.5.7. Saving of a file from the indicator toward the memory extension board: 7.



3.2.5.8. Recuperation of a file from the memory extension board to the indicator: 8.



3.2.5.9. Return to the files menu: ESC.

Press on the key "ESC" to return to the "FILES MENU".

3.2.6. Return to the main menu : ESC.

Press on the key "ESC" to return to the "MAIN MENU".

3.3. T : ADDITIONS.

When you are in the main menu, press on the key  to access to the "TOTALIZING" menu, you will get the following menu :

| TOTALIZING | |
|------------|----------------|
| 1 : | PRINT TOTAL F1 |
| 2 : | PRINT TOTAL F2 |
| 3 : | PRINT TOTAL F3 |
| 4 : | DSD |
| ESC : | RETURN MENU |

Remark :

- The additions are only executed on the last 28 000 weights.
- If the addition requires a big memory space the error message "ERROR MP . 61 (ESC)" will be displayed on the operator guide, restart the addition after reducing the size of the addition. (Begin date – End Date)

3.3.1. Printing of the additions of file 1 : 1.

Press on the key "1" to access to this function, the operator guide will display the name of the file N°1 "CUSTOMER" and you must enter the following parameters :

| | | |
|------------|------------|--|
| TYPE | : X | Choose the required type of the addition, and validate with  . |
| | | 1 : General addition of the file N°1, (Total weight by customer) |
| | | 2 : Addition of the file N°1 in relation to the file N°2, (Total weight by product for each customer) |
| | | 3 : Addition of the file N°1 in relation to the file N°3, (Total weight by transporter for each customer) |
| | | 4 : List of the weights done in relation with the file N°2 for each line of the file N°1. (Details of the weights by product for each customer) |
| CODE | : XXXXXX | Choose the code of the file N°1 of the required addition, and validate with  (with the code "999999" the addition will be done for all the file N°1), if the chosen addition type is "1", no need to enter this parameter. |
| BEGIN DATE | XX/XX/20XX | Choose the date of the beginning of the addition, and validate with  . |
| END DATE | XX/XX/20XX | Choose the date of the end of the addition, and validate with  . |

The addition is launched and printed. The messages "SORT IN PROG. ." and "PRINTING" will appear many times according to the type of the chosen addition and then you return to the "TOTALIZING" menu.

3.3.2. Printing of the additions of file 2 : 2.

Press on the key "2" to access to this function, the operator guide will display the name of the file N°2 "PRODUCT" and you must enter the following parameters :

| | | |
|------|-----|---|
| TYPE | : X | Choose the required type of the addition, and validate with  . |
| | | 1 : General addition of the file N°2, (Total weight by product) |
| | | 2 : Addition of the file N°2 in relation to the file N°3, (Total weight by transporter for each product) |

CODE : **XXX** Choose the code of the file N°2 of the required addition, and validate with 
(with the code "999999" the addition will be done for all the file N°2), if the chosen addition type is "1", no need to enter this parameter.

BEGIN DATE
XX/XX/20XX Choose the date of the beginning of the addition, and validate with .

END DATE
XX/XX/20XX Choose the date of the end of the addition, and validate with .

The addition is launched and printed. The messages "**SORT IN PROG. .**" and "**PRINTING**" will appear many times according to the type of the chosen addition and then you return to the "**TOTALIZING**" menu.

3.3.3. Printing of the additions of file 3 : 3.

Press on the key "3" to access to this function, the operator guide will display the name of the file N°3 "**TRANSPORTER**" and you must enter the following parameters :

TYPE : **X** Choose the required type of the addition, and validate with 
1 : General addition of the file N°3, (Total weight by transporter)
2 : Addition of the file N°3 in relation to the file N°2, (Total weight by product for each transporter)

CODE : **XXX** Choose the code of the file N°3 of the required addition, and validate with 
(with the code "999999" the addition will be done for all the file N°3), if the chosen addition type is "1", no need to enter this parameter.

BEGIN DATE
XX/XX/20XX Choose the date of the beginning of the addition, and validate with .

END DATE
XX/XX/20XX Choose the date of the end of the addition, and validate with .

The addition is launched and printed. The messages "**SORT IN PROG. .**" and "**PRINTING**" will appear many times according to the type of the chosen addition and then you return to the "**TOTALIZING**" menu.

3.3.4. DSD : 4.

Press on the key "4" to access to this function. The operator guide indicates on its first line "**DSD**" and on its second line it will display the following menu :

| DSD |
|---|
| 1 : RECHERCHE PESE 2 : PRINT 3 : IDe --> PC ESC : RETURN MENU |

Remark : It is possible to enter directly in this menu from the application mode by pressing on the key .

3.3.4.1. Searching of a weight in the DSD : 1.

Press on the key "1", the operator guide displays on its second line the following parameter to be entered:

DSD No : **XXXXXX** Enter the required DSD number (6 digits), and validate with .

The following information will be displayed:

```

N°DSD=NNNNNN DD/MM/20YY HH.MM
G =SXXXX.XYY IIIIIIIIIIIIIIIII
TT=SXXXX.XYY XXXXXXXXXXXX
N =SXXXX.XYY
NNNNNNNNNNNNNNNN: CCCCCC
NNNNNNNNNNNNNNNN: CCC
NNNNNNNNNNNNNNNN: CCC
NNNNNNNNNNNNNNNN: DDDDD.D

```

| | |
|----------------------------------|--|
| N°DSD=NNNNNN | DSD number of the displayed weight. |
| DD/MM/20YY | Date of the displayed weight, 11/05/2005 for the 11 th of May 2005. |
| HH.MM | Time of the displayed weight, 10.20 for 20 past ten. |
| B =SXXXX.XYY | Gross weight of the displayed weight on 5 digits with the digital point, the "YY" corresponds to the unit "kg" or "t " and the "S" corresponds to the sign. ("-" for a negative weight or " " for a positive weight) |
| IIIIIIIIIIIIIIII | Input/Output identifier. (By default: "VEHICLE No") |
| TT=SXXXX.XYY | Tare values of the displayed weight on 5 digits with the digital point, the "YY" corresponds to the unit "kg" or "t " and the "S" corresponds to the sign. The "TT" corresponds to the tare type. ("P " for a classical tare and "PT" for a keyboard or manual tare) |
| XXXXXXXXXXXX | Input/Output identification label of the displayed weight, on 10 characters. (For example number of the weighed vehicle) |
| G =SXXXX.XYY | Net weight of the displayed weight on 5 digits with the digital point, the "YY" corresponds to the unit "kg" or "t " and the "S" to the sign. |
| NNNNNNNNNNNNNNNN: CCCCCC | Name of the file N°1 (By default: "CUSTOMER") and the corresponding code of the displayed weight on 6 digits. |
| NNNNNNNNNNNNNNNN: CCC | Name of the file N°2 (By default: "PRODUCT") and the corresponding code of the displayed weight on 3 digits. |
| NNNNNNNNNNNNNNNN: CCC | Name of the file N°3 (By default: "TRANSPORTER") and the corresponding code of the displayed weight on 3 digits. |
| NNNNNNNNNNNNNNNN: DDDDD.D | Name of the simple data N°1 (By default: "REF. No 1") and the corresponding data of the displayed weight on 6 digits and a digital point. |

To quit this display, press on any key and you will return to the application mode.

3.3.4.2. Printing of the DSD : 2.

Press on the key "2" and you must enter the following parameters :

| | |
|--|---|
| BEGIN DATE XX/XX/20XX | Choose the date of the beginning of the DSD printing, and validate with  . |
| END DATE XX/XX/20XX | Choose the date of the end of the DSD printing, and validate with  . |

The DSD printing is launched. The messages "**PRINTING**" then "**SORT DSD . 244/XXX**" will be displayed and the DSD polling begins until the message "**SORT DSD . 244/244**" is displayed. Then you return to the "**DSD**" menu.

Remark : The message "**SORT DSD . 244/XXX**" (with "**XXX**" increments till 244) is not displayed if the DSD is not validated on the extension memory board.

3.3.4.3. Transmission of the DSD from the indicator to a computer: 3.

For this you will have to:

- Connect the computer (on Com1) with the IDE (on Com1).
- Launch the Hyper terminal software. (Access path of hyperterm.exe: "**C:\Program Files\Accessories\HyperTerminal\HYPERTRM.EXE**")
- Give a name to the connection and validate (TERMINAL.IDE).
- Then in the heading "Connect using" you must validate "Direct to Com1".
- Then, configure the connection in 9600 Bauds, 8 bits, no parity, one stop, and no flow control.
- Always under HyperTerminal, go to "Transfer" then in "Capture the text", define the file name of the saved file and validate "Start".

The computer is then ready to communicate with the indicator. Press on the key "3" on the indicator and enter the following parameters:

BEGIN DATE Choose the date of the beginning of the DSD transmission, validate with 
XX/XX/20XX

END DATE Choose the date of the end of the DSD transmission, validate with 
XX/XX/20XX

The operator guide displays on its second line "**HYPERTERMINAL tr**" then "**SORT DSD . 244/XXX**" is displayed and the polling of the DSD begins until the message " **SORT DSD . 244/244**" is displayed. The DSD required, being visualized on the screen, the transfer is finished.

When the transfer is finished, you must close the capture. For this, you must go in "Transfer" then in "Capture the text" and "Stop".

Remarks :

- The message "**SORT DSD . 244/XXX**" (with "**XXX**" incremented till 244) will not be displayed if the DSD is not validated on the memory extension board.

The file .TXT is directly exploitable by EXCEL.

3.3.4.4. Return to the TOTALIZING menu : ESC.

Press on the key "**ESC**" to return to the "**TOTALIZING**" menu.

3.3.5. Return to the main Menu : ESC.

Press on the key "**ESC**" to return to the main menu.

3.4. ESC : Return to the application mode.

Press on the key  to return to the application mode.

3.5. The configurable tickets.

The standard tickets are always stored in memory inside the indicator. They are realized in a format allowing its printing on an IBA40 printer (on 40 columns). They regroup all the information gathered during the weighing.

If you disable the standard ticket parameter, the system will then propose to you the configurable ticket. It allows a personalized layout as well as the choice of the printed data. This ticket is realized by programming with the use of simple commands.

Remark : It is recommended to create the ticket step by step. Configure only some commands and print the ticket to see the results, and so on.

3.5.1. The commands for the configurable tickets.

There are 8 different commands, which allow driving the printer. One command is **always** composed of three characters ; **1 letter** ; the semi column ';' is the separator which must **obligatory** occurs between each command. It can also serve to finish a line and be replaced later by a command.

;A; = Number of line feed.
 ;B; = Space number.
 ;G; = Passage to bold characters.
 ;P; = Passage to standard characters
 ;T; = Text.
 ;E; = System label.
 ;C; = Control character.
 ;?; = End of ticket. (No data)

The syntax must be :

The command ;A; always followed by 2 digits (number of line feed) i.e.: ;A;02;
 The command ;B; always followed by 2 digits (number of spaces) i.e.: ;B;09;
 The command ;G; always alone
 The command ;P; always alone
 The command ;C; always followed by 2 characters (value in hexadecimal) i.e.: ;C;1B;
 The command ;E; always followed by 3 characters (name of one of the system's labels) i.e.: ;E;RS1;
 The command ;T; always followed by the text to be printed (variable length) i.e.: ;T; HERE IS THE TEXT ;
 The command ;?; always alone

3.5.2. The special keys for the configurable ticket editor.



= Deletes the character pointed by the cursor.



= Insertion of a semi-column at the place pointed by the cursor.



= Moves back the cursor of one character.



= Moves forward the cursor of one character.



= Passage to the next line.

3.5.3. The system's labels.

These labels allow the printing of data from the system's memory.

RS1 : 1st line of the company name. (20 characters)
RS2 : 2nd line of the company name. (39 characters)
RS3 : 3rd line of the company name. (39 characters)
RS4 : 4th line of the company name. (39 characters)
FT1 : 1st line of the end of ticket. (39 characters)
FT2 : 2nd line of the end of ticket. (39 characters)
DP1 : Gross weight data. (5 digits + weight unit and decimal point)
DP2 : Tare weight data. (5 digits + weight unit and decimal point)
DP3 : Net weight data. (5 digits + weight unit and decimal point)
EP1 : "GROSS" text + 2 spaces.
EP2 : "TARE" text + 2 spaces or "PT" + 4 spaces.
EP3 : "NET" Text + 3 spaces.
DNP : Weighing number data, DSD number. (6 digits)
DNT : Ticket number data. (6 digits)
DTP : Weighing type data. (2 characters)
DDA : Date data. (Actual date 8 characters)
DHE : Time data. (Actual time 5 characters)

4. THE ERROR MESSAGES OF THE OPERATOR GUIDE.

"**ERROR P . 50 (ESC)**" → Default on the weight. (Off range, off scale, ...)

"**ERROR E . 51 (ESC)**" → Truck already weighed in input.

"**ERROR TS . 54 ESC**" → Programming error of the configurable ticket.

"**ERROR CI . 60 (ESC)**" → Unknown call code.

"**ERROR MP . 61 (ESC)**" → Memory full.