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Chassieu, Friday November 14, 2008,

USER MANUAL OF THE STANDALONE TERMINAL IDe 400 (v.4)

Software N°	Manual N°	Edition
Ve4BP02.090	IDe_Gb_Borne automone (IDe v4)_rev00.doc	00

USER MANUAL OF THE STANDALONE TERMINAL IDe 400 (v.4)

Date	Edition number	Subject of the modification
14/11/2008	00	Original.

SUMMARY

1.   PRESENTATION.

1.1.   Equipment.

1.1.1.   Technical characteristics.

Maximum number of scale divisions (legal for trade)   : 6000.
Sensitivity   : 0.75 µV.
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.

The standalone terminal IDe 400 disposes of :

* Two serial links :
COM1 **:** RS232 link to drive the ticket printer and the badge reader.
COM2 **:** RS232 link (RS232 option board) for the MODEM option.

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

* A parallel interface:
LPT **:** Control printer. - Option - (Short distance link : 3 meters maximum)

* An input for the analog load cells:
M1 **:** 6 wires analog load cell(s). (Long distance link : 150 meters max.)

> ⚠️   ***Reminder: 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). (Long distance link : 1 000 meters maximum)

* A 4I4O board optically isolated - Option - (0/10V or 4/20mA option)
    Definition of the 4 inputs:
      E1 : Not used.
      E2 : Not used.
      E3 : Not used.
      E4 : Not used.
    Definition of the outputs:
      S1 : Low threshold.
      S2 : Input weighing finished / weighbridge or scale evacuation requirement.
      S3 : Output weighing finished / weighbridge or scale evacuation requirement.
      S4 : Gross/Tare/Net weighing finished / weighbridge or scale evacuation requirement.

* A memory card reader "**EXT. MEM.**" + the memory card of 64 Mbytes. It allows saving the calibration parameters and the calibration values (metrological parameters, operating parameters) as well as the application parameters.

1.1.3. <u>Display.</u>

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

Indicates the actual measurement range : **W1** or **W2**.

Weight on 6 digits of 15mm height.

Indicates the weight unit : **kg** or **t**.

Indicates a center of zero at 1/4 scale division (**>0<**) or not ( ).

Weight display

Operator guide

Indicates the type of the displayed weight : gross (**G**) or net (**N**).

Operator guide.

Indicates if the displayed weight is stable ( ) or not (**~**).

Indicates that the displayed data is a **DATA**.
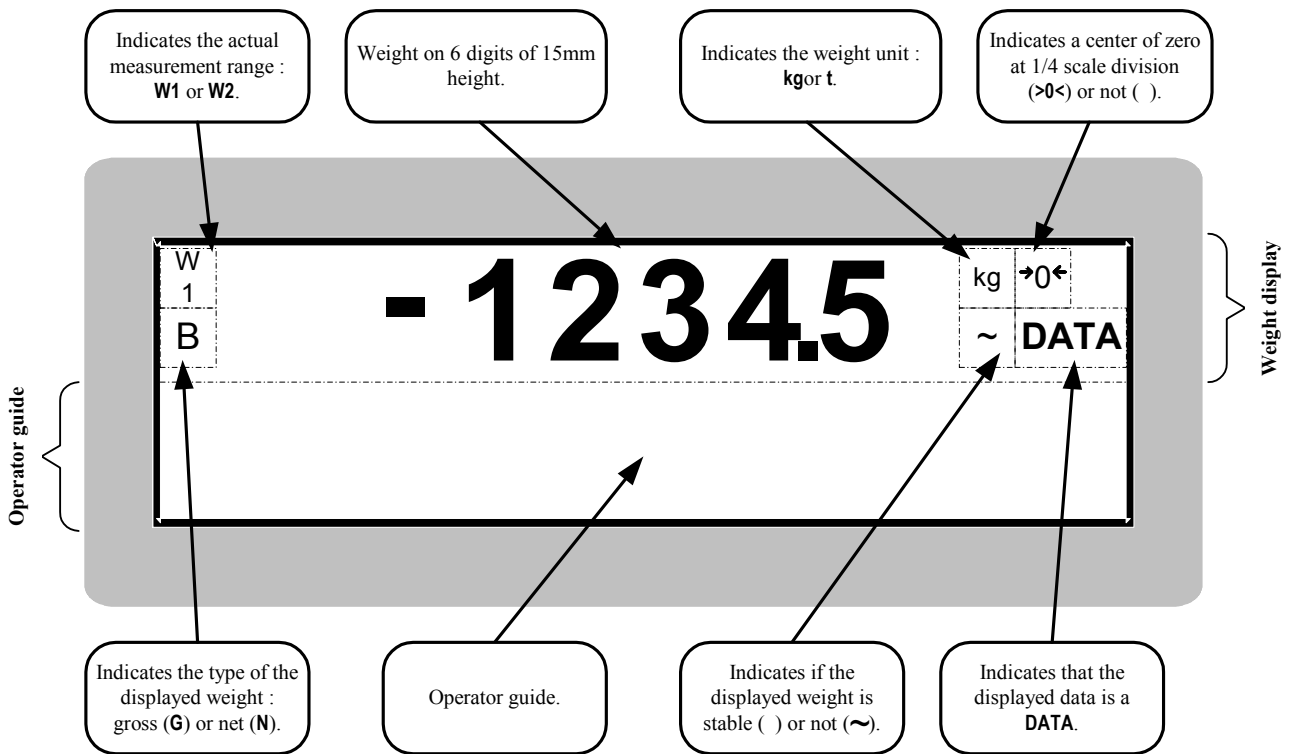
1.1.4. <u>Keypad.</u>

Metrological and application keys:
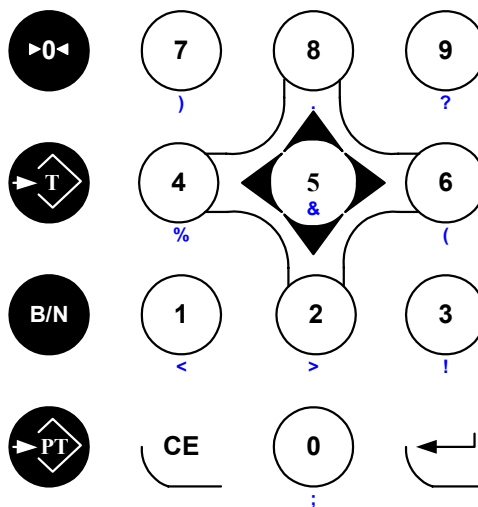
Alphanumerical and application keys:

Q	W	E	R	T	Y	U	I	O	P
q	w	e	r	t	y	u	i	o	p

A	S	D	F	G	H	J	K	L	M
a	s	d	f	g	h	j	k	l	m

ESC	CTRL	Z	X	C	V	B	N	←	DSD
		z	x	c	v	b	n		

☐
*

Function keys:

F1 -	F2 +	F3 ←	F4 →
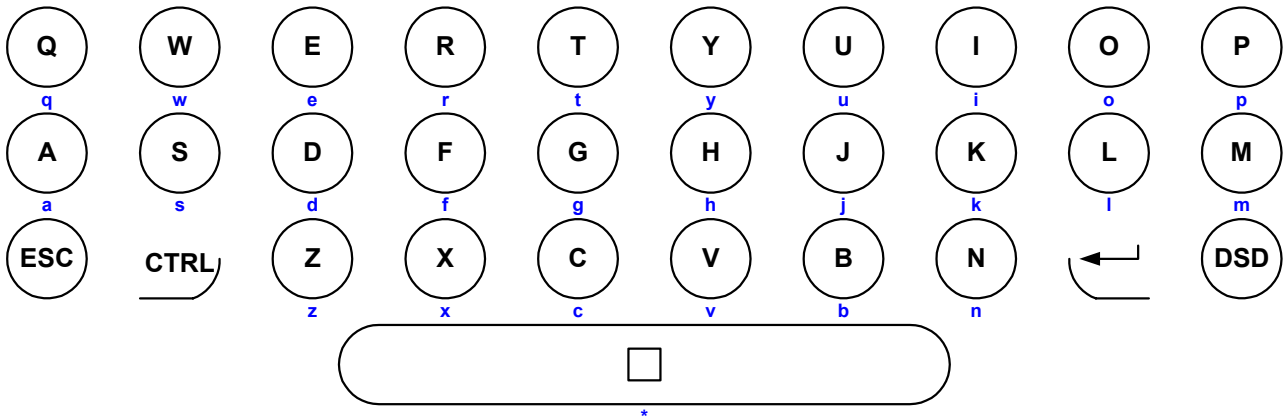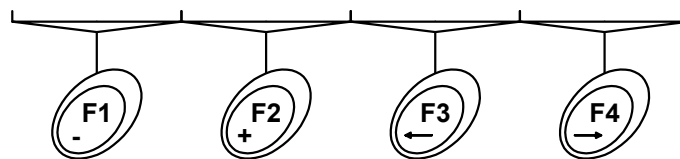
Keys :	F1 -	F2 +	F3 ←	F4 →
In "**AUTOMATIC WEIGHING**" mode.	Negative answer for the weighing validation.	Not used.	Positive answer for the weighing validation.	"**MANUAL WEIGHING**".
In "**MANUAL WEIGHING**" mode.	Management of a vehicle weighing in "input". (1st weighing)	Management of a vehicle weighing in "output". (2nd weighing)	Management of a vehicle weighing with a preset tare	Printing of the weighing in a Gross/Tare/Net ticket.
In the alphanumerical seizures.	Erasing of the character pointed by the cursor.	Insertion of a space at the location pointed by the cursor.	Shift of the cursor to the left.	Shift of the cursor to the right.

►0◄ : Implementation of the semi-automatic zero, the semi-automatic zero cancels the tare.

►T : Tare of a weight present on the scale.

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

►PT : In "**MANUAL WEIGHING**" mode, seizure of a tare through the keypad.

CE : Erasing of a data.

← : Validation of a data.

ESC : Escape key. And access to the "**MANUAL WEIGHING**" mode.

DSD : In the "**MANUAL WEIGHING**" mode, management of the DSD / Transfer of the weights on the EXT. MEM.

E : In the "**MANUAL WEIGHING**" mode, list of the first weights. (Management of the input vehicles file)

CTRL : Control for the extension of the writing mode.
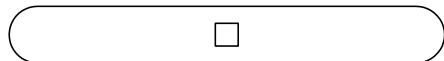
□ : Space between 2 characters.

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

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

The combination of the key **CTRL** with some other keys allows generating some additional characters:
(Combined with the letters "A" to "Z", you will have the lower-case letters, combined with the numbers "0" to "9" and with the space "□", you will 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 software of the standalone terminal IDe 400 is dedicated for the companies and the factories that need a traceability of the inputs and outputs of their products. It offers all the necessary weighing functionalities on scale or weighbridge:
- Classic weighing commands, (Re-zero, SAT, PT etc..)
- Simple weighing and double weighing,
- Management of the simple data and of the files,
- Exploitation and exportation of the data toward a host system.

The operation is completely autonomous after the configuration of the parameters and the seizure of the necessary files data. The executed weights are saved and can be recuperated on a memory card, serial link or modem.

The software disposes of:
- 6 files,
- 3 numerical references on 6 digits,
- 3 alphanumerical references on 16 characters,
- 2 operating modes :
  ➢ Automatic weighing mode, (Allowing also a manual weighing mode)
  ➢ Manual weighing mode.
- 4 weighing modes:
  ➢ Manual tare,
  ➢ Semi-automatic tare,
  ➢ Tare file,
  ➢ Double weighing,
- Standard or configurable layout of the tickets,

- Totals on the file 1, (Simple totals, crossed totals file 1 / file 2, crossed totals file 1 / file 3, and list of the weights)
- Totals on the file 2, (Simple totals, crossed totals file 2 / file 3)
- Totals on the file 3, (Simple totals, crossed totals file 3 / file 2)
- The addition of a 4I4O board (in option) allows managing traffic lights and barriers,
- A DSD memory of the last 65 000 weights.

The 6 files :

File n° 1 :
Name: 16 characters maximum.
Size: 3000 records.
Structure: - Code on 6 digits.
                     - Label on 16 characters.

File n° 3:
Name: 16 characters maximums.
Size: 1000 records
Structure: - Code on 3 digits
                     - Label on 16 characters.

- *DSD file:*
Size: 65 000 weights.
Structure :   - DSD N° on 6 digits.
                     - Date on 6 digits.
                     - Time on 4 digits.
                     - Vehicle number on 10 characters.
                     - Code of file 1 on 6 digits.
                     - Code of file 2 on 3 digits.
                     - Code of file 3 on 3 digits.
                     - Value of the simple data n°1.
                     - Gross on 5 digits.
                     - Tare on 5 digits.
                     - Net on 5 digits.

File n° 2 :
Name: 16 characters maximum.
Size: 1000 records.
Structure :   - Code on 3 digits.
                      - Label on 16 characters.

Fixed tares file / Badges (Vehicle file):
Size: 700 records.
Structure: - Reference on 10 characters.
                     - Tare value on 5 digits.
                     - Badge code on 4 digits.
                     - Code of file n°1 on 6 digits.
                     - Code of file n°2 on 3 digits.
                     - Code of file n°3 on 3 digits.
                     - Code of simple data 1 : 6 digits
                     - Code of simple data 2 : 6 digits.
                     - Code of simple data 3 : 6 digits.
                     - Code of simple data 4 : 16 digits.
                     - Code of simple data 5 : 16 digits.
                     - Code of simple data 6 : 16 digits.

Mobile tare files (vehicles already in but not yet out):
Not accessible during the configuration, this file is
Validated in case the double weighing mode is selected
                     Size : 200 records.

2.   UTILIZATION IN AUTOMATIC WEIGHING MODE.

By default, the automatic weighing mode is launched in condition that you have declared a badge reader. (Refer to 4.1.5. Printer / option : 5.)

Once started, if the weight present on the weighbridge is less than the '**Low Threshold**', the standalone terminal IDe 400 displays the following message on its operator guide:

BRIDGE EMPTY
WAITING VEHICLE

The operator guide in automatic weighing mode:
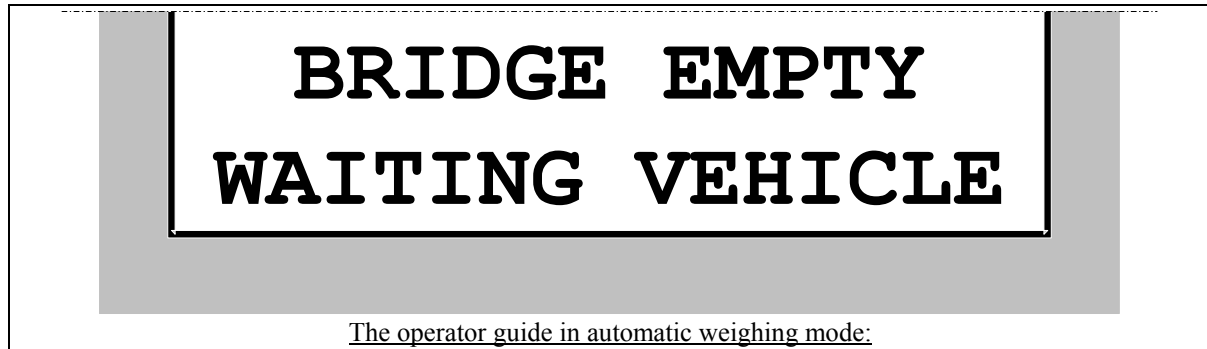
The standalone terminal is ready to operate as it was configured. (Refer to 4. CONFIGURATION.)

This utilization allows the weighing with badges or with the seizure of the identification code. (The identifier that corresponds to the first field of the vehicle file)

To execute a weighing, all you have to do is to pass your badge then follow the instructions on the screen. It is also possible to execute a weighing by entering its identifier, truck registration number for example.

If the vehicle is unknown, the system executes a double weighing automatically. (Input/output)

If this one is registered in the vehicle file, two cases are possible. Either the tare value is known and the system executes a simple weighing, or the tare is at zero and the system executes a double weighing. (Input/output)

We are going to take the operation of the standalone terminal in a carrier for example in a stone-pit. The terminal must handle the weighing with badges and with the truck registration number.

During a weighing, you must enter the customer name, the product name, the transporter name which are files and the delivery place which is a simple alphanumerical data.

For the modification of the parameters and the files as described in the next page, refer to '4. CONFIGURATION'.

The configuration :

```
2: WN/MIN THRESH.                              MODE F1  : 32
     TICKET No  : 000000                        MODE F2  : 32
     MIN THRESH.: 00300kg                        MODE F3  : 32
     DEL. TARE  : 1                              MODE DS1 : 10
                                                 MODE DS2 : 10
3: CN/END TICKET                                 MODE DS3 : 10
     >STONE-PIT D.G.S.                           MODE DS4 : 12
     >25, E. GRAND ROAD                          MODE DS5 : 10
     >69 680 CHASSIEU                            MODE DS6 : 10
     >Tel: 04-72-00-00-00 Fax: 04-78-00-00-00   DP DS1   : 0
                                                 DP DS2   : 0
     >ATTENTION : DRIVE SLOWLY PLEASE !!!        DP DS3   : 0
     >Observation :

4: PARA. DATA                                  5: PRINTER/WR
     NAME F1    :CUSTOMER                        PRN.TICK.: 11
     NAME F2    :PRODUCT                         PRN. FDE : 0
     NAME F3    :TRANSPORTER                     BADGE REA: 2
     NAME DS1   :REF.No 1                        SITE No   : 000260
     NAME DS2   :REF.No 2                        MODEM    : 00
     NAME DS3   :REF.No 3                        Ide No   : 00
     NAME DS4   :DELIVERY PLACE                  SD CARD  : 0
     NAME DS5   :REF.No 5
     NAME DS6   :REF.No 6                      6: IN/OUTPUT PARA
                                                 IDENTIFI. :VEHICLE No
                                                 I/O MODE  : 2
```

The files 1 to 3 are validated in a smart management for the erasing of the data before the seizure, the seizure being executed during the output weighing. The simple data n°4 is validated for the erasing of the data before the seizure, the seizure being executed during the output weighing. The other simple data are disabled.

The printer is configured in the printing mode of one copy of the ticket and the weighing is forbidden if there is a default on the printer. (No more paper, communication problem, …)

The stream printer is disabled.

The badge reader is enabled as well as the manual weighing. If the truck driver does not have a badge, he may also execute a weighing by entering his identifier.

The badge reader only accepts the badges having their number included in between "0002600000" and "0002609999".

The input/output weighing mode is enabled with the ticket in input and in output.

The files 1 to 3:

```
File 1                              File 3
     CODE   :   NAME :                   CODE   :   NAME :
     000001     EURO ROAD                001        TranspoSOUTH
     000002     ASD Masonry              002        ABC Transport
     000003     TCGT TP                  003        Rapid Trans.
     000004     123 Landscape            004        T.T.M.

File 2
     CODE   :   NAME :
     001        Thin sand
     002        Gravel
     003        Stones
```

The tare files:

CODE :	TARE :	BADGE CODE:	CODE F1:	CODE F2:	CODE F3:
2574TU38	00000kg	0000	000000	000	003
589DT71	05000kg	0059	000000	000	002
658TY69	04700kg	0089	000000	000	001
7895AAF69	00000kg	0060	000000	000	004

Tare files

There is no vehicle present on the weighbridge (the weight present on the weighbridge is less than the '**Low Thres.**') and the message " **BRIDGE EMPTY WAITING VEHICLE** " is displayed.

The vehicle registered "**7895AAF69**" (badge code:"**02600060**") will move on the weighbridge. The message "**PASS YOUR BADGE PLEASE**" will be displayed.

The driver passes its badge, the weighing is memorized and printed as an input weighing.

The messages "**PRINTING WAIT ..**" and "**TAKE YOUR TICKET**" will occur, the input ticket is presented as follows:

```
STONE-PIT D.G.S.

25, E. GRAND road
69 680 CHASSIEU
Tel: 04-72-00-00-00 Fax: 04-78-00-00-00


  DATE : 09/06/2005     TIME : 16h25
  WEIGHING NUMBER : 000000-E

VEHICLE No     :7895AAF69 /0060


  GROSS   :   10040kg

ATTENTION : PLEASE DRIVE SLOWLY !!!
Observation :
```

The message "**EVACUATE THE WEIGHBRIDGE**" will be displayed, the vehicle can evacuate the weighbridge. The message "**BRIDGE EMPTY WAITING VEHICLE**" is then displayed.

There is no vehicle present on the weighbridge (the weight present on the weighbridge is less than the '**Low THRES.**') and the message " **BRIDGE EMPTY WAITING VEHICLE** " is displayed.

The vehicle registered "**7895AAF69**" (badge code:"**02600060**") has been loaded with "**Thin Sand**" (code :"**001**") for the customer "**TCGT TP**" (code :"**000003**") that must be delivered to the central warehouse of the customer.

The truck moves on the weighbridge. The message " **PASS YOUR BADGE PLEASE** " will be displayed.

The driver posses its badge and he will get the first weighing displayed on the screen "**P1 = 10040kg**" and the driver must successively enter the following data:

"**CUSTOMER : *XXXXXX***"   The code to be entered is "**000003**" and validate with ↵.

"**PRODUCT : *XXX***"   The code to be entered is "**001**" and validate with ↵.

"**DELI.PLA.:*XXXXXXXXXXXXXXX***" The data to be entered is "**CENTRAL WAREHOUSE**" and validate with ↵.

The question " **VALIDATE WEIGHT? F1= NO F3= YES** " will be displayed :

- If all of the entered data is correct, press on the key (F3) and the weighing will be memorized and printed.
  The messages "**PRINTING WAIT ..**" and "**TAKE YOUR TICKET**" will occur, the output ticket is presented as follows:

STONE-PIT D.G.S.

```
25, E. GRAND road
69 680 CHASSIEU
Tel: 04-72-00-00-00 Fax: 04-78-00-00-00


  DATE : 09/06/2005     TIME : 16h25
  DATE : 09/06/2005     TIME : 16h50
  WEIGHING NUMBER : 000001-ES
  DSD NUMBER     : 000000
VEHICLE No       :7895AAF69 /0060
CUSTOMER         :000003 TCGT TP
PRODUCT          :   001 Thin sand
TRANSPORTER      :   004 T.T.M.
DELIVERY PLACE   :CENTRAL WAREHOUSE
```

GROSS :   24260kg
TARE :   10040kg
NET   :   14220kg

```
ATTENTION : Please drive slowly !!!
Observation :
```

- If not all of the entered data is correct, press on the key (F1) and the weighing will be cancelled.

The message "**EVACUATE THE WEIGHBRIDGE**" will be displayed, the vehicle can evacuate the weighbridge. The message " **BRIDGE EMPTY WAITING VEHICLE** " is then displayed.

3. UTILIZATION IN MANUAL WEIGHING MODE.

To access to this weighing mode, you must:

- Press on the key (ESC),
- Enter the key code "**7806**",
- Then the operator guide displays the following information:

Actual time. (Hours, Minutes and Seconds)

```
HH.MM.SS

MANUAL WEIGHING
F1=INP    F2=OUT    F3=TF    F4=GTN
```

Function F1 of the "Input weighing" ticket menu.

Function F2 of the "Output weighing" ticket menu.

Function F3 of the "Weighing with the tare file" ticket menu.

Function F4 of the "Gross/Tare/Net weighing" ticket menu.

The operator guide in manual weighing mode:
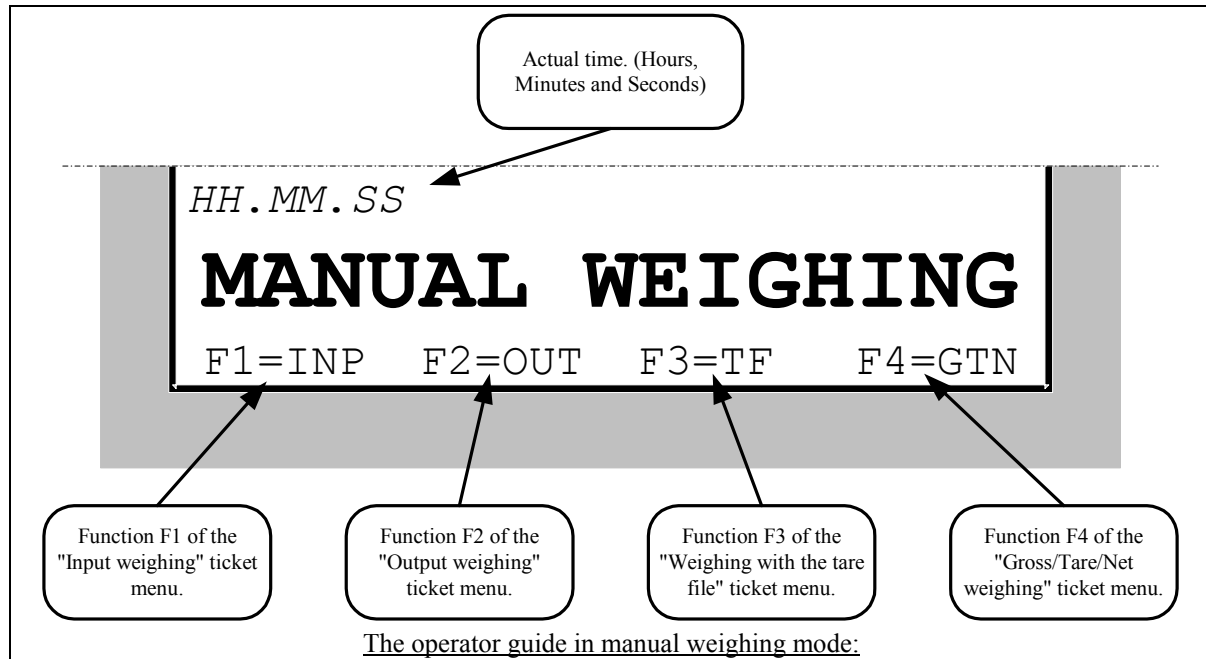
To return to the automatic weighing mode, all you have to do is to press on the key (ESC),

3.1. Input weighing: (F1).

To execute an input weighing, you must press on the key (F1).
Enter the vehicle number present on the weighbridge as well as the validated data. The weight is memorized or printed.

Remarks :
- If the entered vehicle number corresponds to a vehicle already entered but not yet out, the error message "**ERROR E.51(ESC)**" will be displayed on the operator guide.
- If the memory file of the input weights 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 "**MISCELLANUOUS**", it is possible to enter it but it will not be saved in memory.

3.2. Output weighing: (F2).

To execute an output weighing, you must press on the key (F2).
Enter the vehicle number present on the weighbridge as well as the validated data. The weight is printed.

Remarks :
- If the entered vehicle number corresponds to a vehicle that left already or not entered, 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 "**MISCELLANUOUS**", it is possible to enter it but it will not be saved in memory.

3.3. Weighing with the tare file: (F3).

To execute a weighing with the tare file, you must press on the key (F3).
Enter the vehicle number present on the weighbridge as well as the validated data. The weight is printed.

Remarks :
- If the entered vehicle number is not present 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 "**MISCELLANUOUS**", it is possible to enter it but it will not be saved in memory.

3.4. Gross/Tare/Net : (F4).

To execute a Gross/tare/net weighing, you must:
- Position the vehicle on the weighbridge.
- Execute a tare operation, either automatic (key (T)) or a manual tare entry. (key (PT))
- Press on the key (F4), enter the vehicle number present on the weighbridge as well as the validated data.
- The weight will be printed.

Remark :   If you use the code "**0**" for one of the three files, the corresponding label is "**MISCELLANUOUS**", it is possible to enter it but it will not be saved in memory.

4.   CONFIGURATION.

To access to the different parameters menus of the indicator, you must:

- ▪ Press on the key **G** ,
- ▪ Enter the key code "**7806**",
- ▪ The indicator displays the following main menu:

```
       PARAMETERS

1: DATE/TIME
2: WN/MIN THRESH
3: CN/END TICKET
4: PARA. DATA
5:PRINTER/OPTION
6:IN/OUTPUT PARA
7:PARA. TICKETS
8: R/W  SD CARD
9: COM1 HYPERT.
ESC: RETURN MENU
```

```
       FILE MENU

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

```
MANAGEMENT MENU
   MAIN MENU


I:INI.PARAMETERS

F:FILE HANDLING

T: TOTALS

ESC: RETURN MENU
```

```
      TOTALIZING

1: PRINT TOTAL F1
2: PRINT TOTAL F2
3: PRINT TOTAL F3
4: DSD
ESC: RETURN MENU
```

```
     RETURN MENU

  RETURN TO THE
 APPLICATION MODE
```

4.1. 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 TICKET          │
│   4: PARA. DATA             │
│   5:PRINTER/OPTION          │
│   6:IN/OUTPUT PARA          │
│   7:PARA. TICKETS           │
│   8: R/W  SD CARD           │
│   9: COM1 HYPERT.           │
│   ESC: RETURN MENU          │
│                             │
└─────────────────────────────┘
```

4.1.1. 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.

4.1.2. Weighing number / minimum threshold : 2.

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

TICKET No : XXXXXX   Enter the weighing number on 6 digits, and validate with ↵.

MIN THRESH.: XXXXXYY   Enter the value of the minimum threshold on 5 digits, and validate with ↵.
                           (*YY* = unit used, "*kg*" or "*t* ")

DEL. 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.

4.1.3. 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 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 ↵.
   > ---------------------------------------

Enter the second line of the end of ticket (39 characters), and validate with ⟲.
```
> -------------------------------------
```
On Return to the "**PARAMETRES**" menu.

4.1.4. <u>Data configuration: 4.</u>

Press on the key "**4**" to access to this function. You must enter the following parameters:

Enter the name of the file n°1, and validate with ⟲. (16 characters)
```
NAME F1  : XXXXXXXXXXXXXXXX
```

Enter the name of the file n°2, and validate with ⟲. (16 characters)
```
NAME F2  : XXXXXXXXXXXXXXXX
```

Enter the name of the file n°3, and validate with ⟲. (16 characters)
```
NAME F3  : XXXXXXXXXXXXXXXX
```

Enter the name of the **S**imple **D**ata n°**1**, on 16 characters, and validate with ⟲. (Digital data on 6 digits)
```
NAME DS1 : XXXXXXXXXXXXXXXX
```

Enter the name of the **S**imple **D**ata n°**2**, on 16 characters, and validate with ⟲. (Digital data on 6 digits)
```
NAME DS2 : XXXXXXXXXXXXXXXX
```

Enter the name of the **S**imple **D**ata n°**3**, on 16 characters, and validate with ⟲. (Digital data on 6 digits)
```
NAME DS3 : XXXXXXXXXXXXXXXX
```

Enter the name of the **S**imple **D**ata n°**4**, on 16 characters, and validate with ⟲. (Alphanumerical data on 16 characters)
```
NAME DS4 : XXXXXXXXXXXXXXXX
```

Enter the name of the **S**imple **D**ata n°**5**, on 16 characters, and validate with ⟲. (Alphanumerical data on 16 characters)
```
NAME DS5 : XXXXXXXXXXXXXXXX
```

Enter the name of the **S**imple **D**ata n°**6**, on 16 characters, and validate with ⟲. (Alphanumerical data on 16 characters)
```
NAME DS6 : XXXXXXXXXXXXXXXX
```

Choose the utilization mode of the file n°1, and validate with ⟲.

NAME F1 : XY	X =	0 : No erasing of the calling code before the seizure and no smart management of the file[*].
		1 : Erasing of the calling code before the seizure without smart management of the file[*].
		2 : Smart management of the file[*] without erasing the data before the seizure.
		3 : Smart 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.

** Smart management of the file : if this management is enabled, it allows the automatic recording of the data in the file if the data is a new one, this management is only enabled when you are in the "**MANUAL WEIGHING**" mode.*

Choose the utilization mode of the file n°2, and validate with ⟲.

MODE F2 : XY	X =	0 : No erasing of the calling code before the seizure and no smart management of the file.
		1 : Erasing of the calling code before the seizure without smart management of the file.
		2 : Smart management of the file[*] without erasing the data before the seizure.
		3 : Smart 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 file n°3, and validate with ↵.
   MODE F3 : *XY* $X =$ 0 : No erasing of the calling code before the seizure and no smart management of the file.
                                            1 : Erasing of the calling code before the seizure without smart management of the file.
                                            2 : Smart management of the file[*] without erasing the data before the seizure.
                                            3 : Smart 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°6, 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 decimal point of the simple data 1, and validate with ↵. (Number of digits on the left of the decimal point)

    DP DS1 : *X*

Enter the position of the decimal point of the simple data 2, and validate with ↵. (Number of digits on the left of the decimal point)

    DP DS2 : *X*

Enter the position of the decimal point of the simple data 3, and validate with ↵. (Number of digits on the left of the decimal point)

    DP DS3 : *X*

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

4.1.5. <u>Printer / option : 5.</u>

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

Define the parameters for the ticket printing, and validate with ↵.

PRN.TICK.: *XY*	X = 0 : No test of the printer,
	1 : If there is a default on the printer, the weighing is forbidden.
	Y = 1 : Printing of one copy of the ticket,
	2 : Printing of two copies of the ticket,
	…
	9 : Printing of nine copies of the ticket.

Define the parameters for the stream printing, and validate with ↵.

STR. PRN : *X*	0 : No stream printing,
	1 : Optional stream printing, even if there is a printer default, the weighing is executed,
	2 : Imperative stream printing, if there is a printer default, the weighing is stopped.

Define the parameters for the stream printing, and validate with ↵.

BADGE REA.: *X*	0 : No badge reader,
	1 : Badge reader on COM1 and manual weighing mode disabled,
	2 : Badge reader on COM1 and manual weighing mode enabled.

Define the parameters for the site access authorization according to the badge and validate with ↵.

SITE No : *XXXXXX*	000000 : All the badges are accepted on the site,
	000001 : Only the badges from "0000010000" to "0000019999" are accepted on the site.
	000002 : Only the badges from "0000020000" to "0000029999" are accepted on the site.
	…
	999999 : Only the badges from "9999990000" to "9999999999" are accepted on the site.

Define the parameters for the modem, and validate with ↵.

MODEM : *XX*	00 : Nothing,
	01 : Modem,
	02 : Copy of the ticket,
	03 : Computer stream,
	04 : ERIC protocol.

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

    IDe No : *XX*

Enable or not the storage of the DSD on the extension memory board, and validate with ↵.

SD CARD : *X*	0 : Storage of the weights on the extension memory board is disabled,
	9 : Storage of the weights on the extension memory board is enabled (Memory board present all the time).

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

4.1.6. <u>Input/Output parameters: 6.</u>

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. : *XXXXXXXXXXXXXXXX*

Enable or not the Input/Output weighing and the input ticket and validate with ⤶.

I/O MODE : *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.

4.1.7. <u>Ticket configuration: 7.</u>

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

```
┌─────────────────────────────┐
│     TICKET PARAMETERS        │
├─────────────────────────────┤
│                              │
│  1: INPUT TICKET             │
│  2: OUTPUT TICKET            │
│  3: G/T/N TICKET             │
│  4: 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.

STANDARD TICKET : *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, Refer to
                5.1. the configurable tickets)
                1 : Yes.

Return to the "**Ticket configuration**" menu.

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

STANDARD TICKET : *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 5.1. the
                configurable tickets)
                1 : Yes.

Return to the "**Ticket configuration**" menu.

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

STANDARD TICKET: *X*   Choose or not the standard ticket in G/T/N, and validate with ⤶.
                0 : No, (If you validate 0, you must enter the ticket matrix, See 5.1. the
                configurable tickets)
                1 : Yes.

Return to the "**Ticket configuration**" menu.

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

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

4.1.8. <u>Return to the Main Menu : ESC.</u>

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

ATTENTION :

*If important parameters have been modified, then after displaying "**SAVING ….**" the indicator displays "**PRINTING**" and all the parameters of the "**Parameters Initialization**" menu are printed. Then you will return to the weighing menu "**WEIGHING MENU***» instead of the main menu.*

4.2.   F : Files menu.

When you are in the main menu, press on the key **F** 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
```

4.2.1.   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
```

4.2.1.1.   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

4.2.1.2. 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 : *XXXXXXXXXXXXXXX*** 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***".

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

Press on the key "**3**", the operator guide displays on its second line "**TYPE 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**".

4.2.1.4. Erasing of a file : 4.

Press on the key "**4**", the operator guide displays on its second line "**TYPE 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.

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

For this you must:

> - Connect the computer (on Com1) with the IDe (on Com1).
> - Lunch 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) .
> - 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 information 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 lunch 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.

4.2.1.6. 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 information 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.

4.2.1.7. 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.

4.2.1.8. 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.

4.2.1.9. Return to the files menu : ESC.
Press on the key "**ESC**" to return to the "**FILES MENU**".

4.2.2.   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
```

4.2.2.1. 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.

4.2.2.2. 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   : *XXX*   Enter the required product code (3 digits), and validate with ⤺.

NAME: *XXXXXXXXXXXXXXXX*   Enter the required product name (16 characters), and validate with ⤺.
The operator guide displays on its second line "**CODE   : *XXX***", 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   : *XXX***".

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

Press on the key "**3**", the operator guide displays on its second line "**TYPE 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   : *XXX*   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   : XXX**", 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   : XXX**".

4.2.2.4. Erasing of a file : 4.

Press on the key "**4**", the operator guide displays on its second line "**TYPE 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.

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

Same as the paragraph "4.2.1.5. Transmission of a file from the indicator toward a computer: 5"

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

Same as the paragraph "4.2.1.6. Reception of a file from the computer toward an indicator : 6"

4.2.2.7. 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.

4.2.2.8. 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.

4.2.2.9. Return to the files menu : ESC.
Press on the key "**ESC**" to return to the "**FILES MENU**".

4.2.3. 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
```

4.2.3.1. 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.

4.2.3.2. 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 : *XXX*   Enter the required transporter code (3 digits), and validate with ⮐.

NAME: *XXXXXXXXXXXXXXXX*   Enter the required transporter name (16 characters), validate with ⮐.
The operator guide displays on its second line "**CODE   : *XXX***", 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   : *XXX***".

4.2.3.3. Erasing of a file's line : 3.
Press on the key "**3**", the operator guide displays on its second line "**TYPE 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 : *XXX*   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 : XXX**", 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: XXX**".

4.2.3.4. Erasing of a file: 4.

Press on the key "**4**", the operator guide displays on its second line "**TYPE 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.

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

Same as the paragraph "4.2.1.5. Transmission of a file from the indicator toward a computer: 5"

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

Idem Same as the paragraph "4.2.1.6. Reception of a file from the computer toward an indicator: 6"

4.2.3.7. Saving of a file from the indicator toward the extension memory 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.

4.2.3.8. 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°3**" menu.

4.2.3.9. Return to the files menu : ESC.

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

4.2.4. 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: TARES FILE

 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
```

4.2.4.1. 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.

4.2.4.2. 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 : XXXXXXXXX	Enter the required fixed tare code (10 characters), and validate with ↵.
TARE : XXXXXYY	Enter the required tare value (5 digits with YY= unit), and validate with ↵.
BADGE CODE: 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   : XXXXXXXXX**", 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 : XXXXXXXXX**".

4.2.4.3. Erasing of a file's line: 3.
Press on the key "**3**", the operator guide displays on its second line "**TYPE 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 : XXXXXXXXX	Enter the code of the fixed tare to be erased (3 digits), 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   : XXXXXXXXX**", 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   : XXXXXXXXX**".

4.2.4.4. Erasing of a file: 4.
Press on the key "**4**", the operator guide displays on its second line "**TYPE 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.

4.2.4.5. Transmission of a file from the indicator toward a computer: 5.
Same as the paragraph "4.2.1.5. Transmission of a file from the indicator toward a computer: 5"

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

Same as the paragraph "4.2.1.6. Reception of a file from the computer toward an indicator: 6"

4.2.4.7. 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 "**Tares file**" menu.

4.2.4.8. 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 " **Tares file** " menu.

4.2.4.9. Return to the files menu : ESC.

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

4.2.5. 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 FILE

 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 (E) in the application mode, you will access directly to this menu.

4.2.5.1. 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 "**Inputs File**" menu.

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

⚠ **This function is inaccessible for this file.** ⚠

4.2.5.3. <u>Erasing of a file's line: 3.</u>

Press on the key "**3**", the operator guide displays on its second line "**TYPE 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:

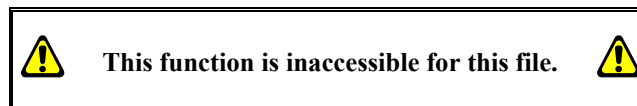|	
VEHICLE No:*XXXXXXXXX*	Enter the required code of the input vehicle to be erased (10 characters), and validate with ⤶.
0=NO 1=YES	Confirm yes or no the erasing requirement by pressing on the appropriate key "**0**" or "**1**". (The value of the first weighing of the vehicle in to be erased will be 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:***XXXXXXXXX*", you may continue the erasing of the lines in this file.

Return to the "**Inputs file**" menu bay pressing on the key "**ESC**" when the operator guide displays on its second line "**VEHICLE No:***XXXXXXXXX* ".

4.2.5.4. <u>Erasing of a file: 4.</u>

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 "**Inputs file**" menu".

4.2.5.5. <u>Transmission of a file from the indicator toward a computer: 5.</u>
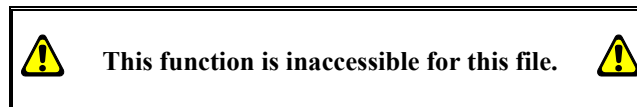
⚠   **This function is inaccessible for this file.**   ⚠

4.2.5.6. <u>Reception of a file from the computer toward an indicator: 6.</u>

⚠   **This function is inaccessible for this file.**   ⚠

4.2.5.7. <u>Saving of a file from the indicator toward the memory extension board: 7.</u>

⚠   **This function is inaccessible for this file.**   ⚠

4.2.5.8. <u>Recuperation of a file from the memory extension board to the indicator: 8.</u>

⚠   **This function is inaccessible for this file.**   ⚠
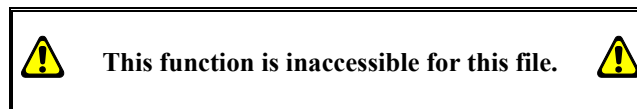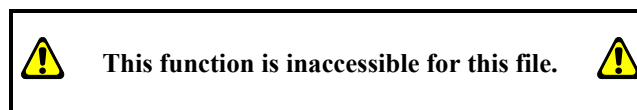
4.2.5.9. <u>Return to the files menu: ESC.</u>

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

4.2.6. <u>Return to the main menu : ESC.</u>

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

4.3.   <u>T : Totals.</u>

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

```
┌─────────────────────────────┐
│         TOTALS              │
├─────────────────────────────┤
│                             │
│  1: PRINT TOTAL F1          │
│  2: PRINT TOTAL F2          │
│  3: PRINT TOTAL F3          │
│  4: DSD                     │
│  ESC: RETURN MENU           │
│                             │
└─────────────────────────────┘
```

<u>Remark:</u>
- The totals 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)

### 4.3.1. <u>Printing of the totals of file 1: 1.</u>

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 "**TOTALS**" menu.

4.3.2. <u>Printing of the additions of file 2: 2.</u>

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 "**TOTALS**" menu.

4.3.3. <u>Printing of the additions of file 3: 3.</u>

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 "**TOTALS**" menu.

4.3.4. <u>DSD / Transfer of the weights on the EXT. MEM : 4.</u>

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:SEARCH WEIGHING
2: PRINT
3: IDe --> PC
4: DSD --> EXT.MEM
5: TIC --> EXT.MEM
ESC: RETURN MENU
```

<u>Remark:</u>   It is possible to enter directly in this menu from the application mode by pressing on the key (DSD).

4.3.4.1. <u>Searching of a weight in the DSD: 1.</u>

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:

```
NoDSD=NNNNNN   JJ/MM/20AA HH.MM
B =SXXXX.XYY   IIIIIIIIIIIIII
TT=SXXXX.XYY   XXXXXXXXXX
N =SXXXX.XYY
NNNNNNNNNNNNNNNNN:CCCCCC
NNNNNNNNNNNNNNNN:CCC
NNNNNNNNNNNNNNNN:CCC
NNNNNNNNNNNNNNNN:DDDDD.D
```

DSDNo=NNNNNN	DSD number of the displayed weight.
DD/MM/20YY	Date of the displayed weight, 11/05/2005 for the 11th of May 2005.
HH.MM	Time of the displayed weight, 10.20 for 20 past ten.
G =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)
IIIIIIIIIIIIII	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 preset tare)
XXXXXXXXXX	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.
NNNNNNNNNNNNNNNNN: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.

4.3.4.2. 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.

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

For this you must:
- Connect the computer (on Com1) with the IDe (on Com1).
- Lunch 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 file .TXT is directly exploitable by EXCEL.

4.3.4.4. Transfer of the weights to the EXT. MEM : 4 and 5.

These functions (**"4 : DSD --> EXT.MEM"** or **"5 : TIC --> EXT.MEM"**) allow writing on an *SD CARD* or a *USB* memory stick that can be directly exploitable by a computer and software such as *EXCEL*.

The function "**4**" allows recuperating the information contained in the DSD file between a begin date and an end date.
Reminder: The maximum number of weights that can be recuperated is 65 000 weights.

The function "**5**" allows recuperating all of the information contained on the weighing ticket, this FIFO file is smaller than the DSD, the last 2 000 tickets are kept in memory.

4.3.4.5. Return to the TOTALS menu: ESC.

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

4.3.5. Return to the main Menu: ESC.

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

4.4. ESC : Return to the application mode.

Press on the key (ESC) to return to the application mode.

5. APPENDICES

5.1. 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.

### 5.1.1. 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

5.1.2. The special keys for the configurable ticket editor.

(F1) = Deletes the character pointed by the cursor.

(F2) = Insertion of a semi-column at the place pointed by the cursor.

(F3) = Moves back the cursor of one character.

(F4) = Moves forward the cursor of one character.

 = Passage to the next line.

5.1.3. 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)
DED : Date data of the input weighing. (Actual date 8 characters)
DEH : Time data of the input weighing. (Actual time 5 characters)
DS1 : Code of the simple data 1. (6 digits)
DS2 : Code of the simple data 2. (6 digits)
DS3 : Code of the simple data 3. (6 digits)
DS4 : Code of the simple data 4. (6 digits)
DS5 : Code of the simple data 5. (6 digits)
DS6 : Code of the simple data 6. (6 digits)
ED1 : Name of the simple data 1. (16 characters)
ED2 : Name of the simple data 2. (16 characters)
ED3 : Name of the simple data 3. (16 characters)
ED4 : Name of the simple data 4. (16 characters)
ED5 : Name of the simple data 5. (16 characters)
ED6 : Name of the simple data 6. (16 characters)
DIT : Vehicle code, identifier. (6 digits)
EIT : Input/output/tare identifier name. (16 characters)
EF1 : Name of file 1. (16 characters)
D11 : Code of file 1. (6 digits)
D12 : Label of file 1. (16 characters)
EF2 : Name of file 2. (16 characters)
D21 : Code of file 2. (3 digits)
D22 : Label of file 2. (16 characters)
EF3 : Name of file 3. (16 characters)
D31 : Code of file 3. (3 digits)
D32 : Label of file 3. (16 characters)

5.1.4. Example of a matrix with its printing.

Example of a matrix:

Corresponding print out:

```
>;E;RS1;A;01;E;RS2;A;01;E;RS3;A;01;E;RS4
>;A;02;T;Date : ;E;DDA;T; Time : ;E;DHE
>;A;01;T;DSD No:;E;DNP;A;01;G;T;Net
weight : ;E;DP3;P;A;02;T; -SEE YOU SOON-
>;;?;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;
>;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;
>;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;
>;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;

>;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;
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>;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;
>;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;
```

```
MASTER-K ARPEGE
38 avenue des Frères Montgolfier
BP 186
69 686 Chassieu Cedex

Date : 17/05/2005 Time : 11h13
DSD No :000006
Net weight:     36300kg

  -SEE YOU SOON-
```

5.2. Printing example of a standard ticket.

Example with a ticket that does not have any validated data:

Company name

Date/time of the first weighing.

Date/time of the weihing.

DSD number of the weighing

GROSS / TARE / NET weights.

End of ticket

```
MASTER-K ARPEGE

38 avenue des Frères Montgolfier
BP 186
69 686 Chassieu Cedex

 DATE : 17/05/2005    TIME : 09h50
 DATE : 17/05/2005    TIME : 09h50
 WEIGHING NUUMBER : 000006-ES
 DSD NUMBER    : 000002
VEHICLE No      :789AGH69

  GROSS :  46720kg
  TARE  :  11660kg
  NET   :  35060kg

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 with a ticket that has all the data validated:

Company name

Date/Time of the first weighing

Date/time of the weighing

DSD number of the weighing

Name of the file 1 with its attributed code and label.

Name of the file 3 with its attributed code and label.

Name of the simple data n°2 and its attributed data.

Name of the simple data n°4 and its attributed data.

Name of the simple data n°6 and its attributed data.

GROSS / TARE / NET weight.

End of ticket

```
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  :
```

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

Name of the file 2 with its attributed code and label.

Name of the simple data n°1 and its attributed data.

Name of the simple data n°3 and its attributed data.

Name of the simple data n°5 and its attributed data.

5.3. 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.

5.4. Printer.

5.4.1. References of the consumables.

Paper reel   : **010 030 030**
Ink ribbon   : **010 040 105**

5.4.2. Maintenance.

The printer requires maintenance especially for the replacement of the paper reel and the ink ribbon. If the terminal is installed in a dusty environment, it can be useful to clean the head guide from time to time. (Stainless steel tube on which the head slides)

5.4.3. <u>LEDs.</u>

In normal operating mode, the two green LEDs must be on.
The led 'POWER' signals that the printer is under power and the led 'SEL' Signals that the printer is selected correctly.
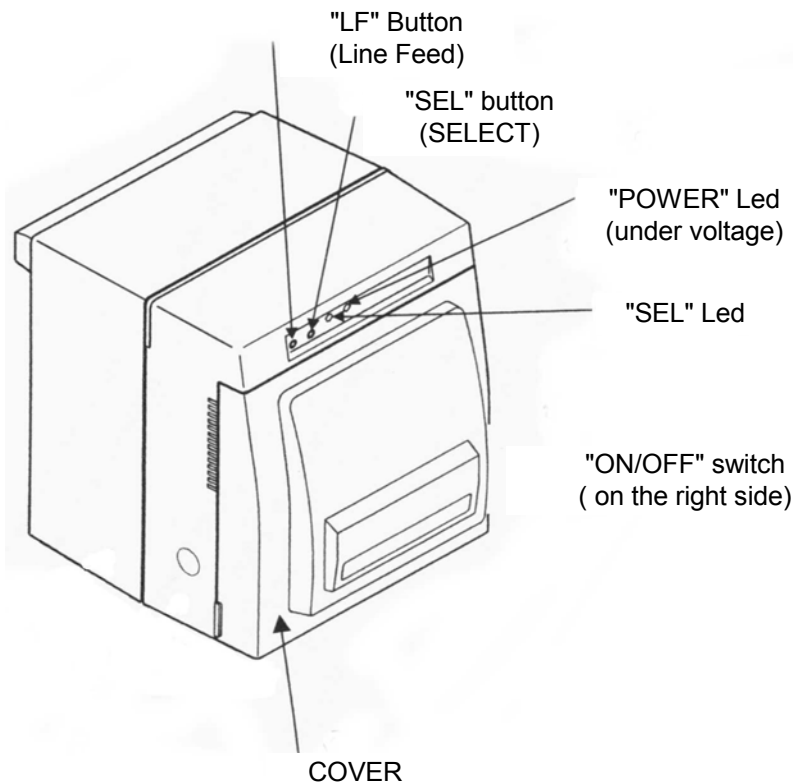The blinking of the led 'SEL' signals a dysfunction, see below.

5.4.4. <u>Buttons.</u>

An On/Off switch is located on the right side of the printer.
The button 'SEL' allows selecting/ deselecting the printer (Led 'SEL')
The button 'LF' allows making a paper advance (Line Feed) see below.

"LF" Button
(Line Feed)

"SEL" button
(SELECT)

"POWER" Led
(under voltage)

"SEL" Led

"ON/OFF" switch
(on the right side)

COVER

5.4.5. <u>Paper replacement.</u>

It is imperative to use papers of <u>**76 mm**</u> width to avoid the printer gets deselected.

Paper installation:

① ☞   Clear the old ribbon by moving to the right the 'locking bolt'.

② ☞   Engage the new ribbon and lock it by the bolt.

③ ☞   Check the direction of the paper flow of the paper reel. (Refer to the figure in next page)

④ ☞   Pull a paper length and engage it in the front opening of the printer as shown below.

⑤ ☞   Put the printer under power.

⑥ ☞   Press on the key 'SEL' to turn off the Led 'SEL'.

⑦ ☞   Once the 'SEL' led is off: press on the key 'LF' in order to drag the paper through the mechanism of the printer until it gets out.

⑧ ☞   Turn off the printer.

⑨ ☞   Keep the key 'LF' pressed and at the same time turn on the printer, the test will be printer and the ticket is cut properly.

⑩ ☞   Turn on the led 'SEL' with the help of the key 'SEL'. (If necessary)

Yes   No   No

Insert the paper here

Locking bolt

①
③
②
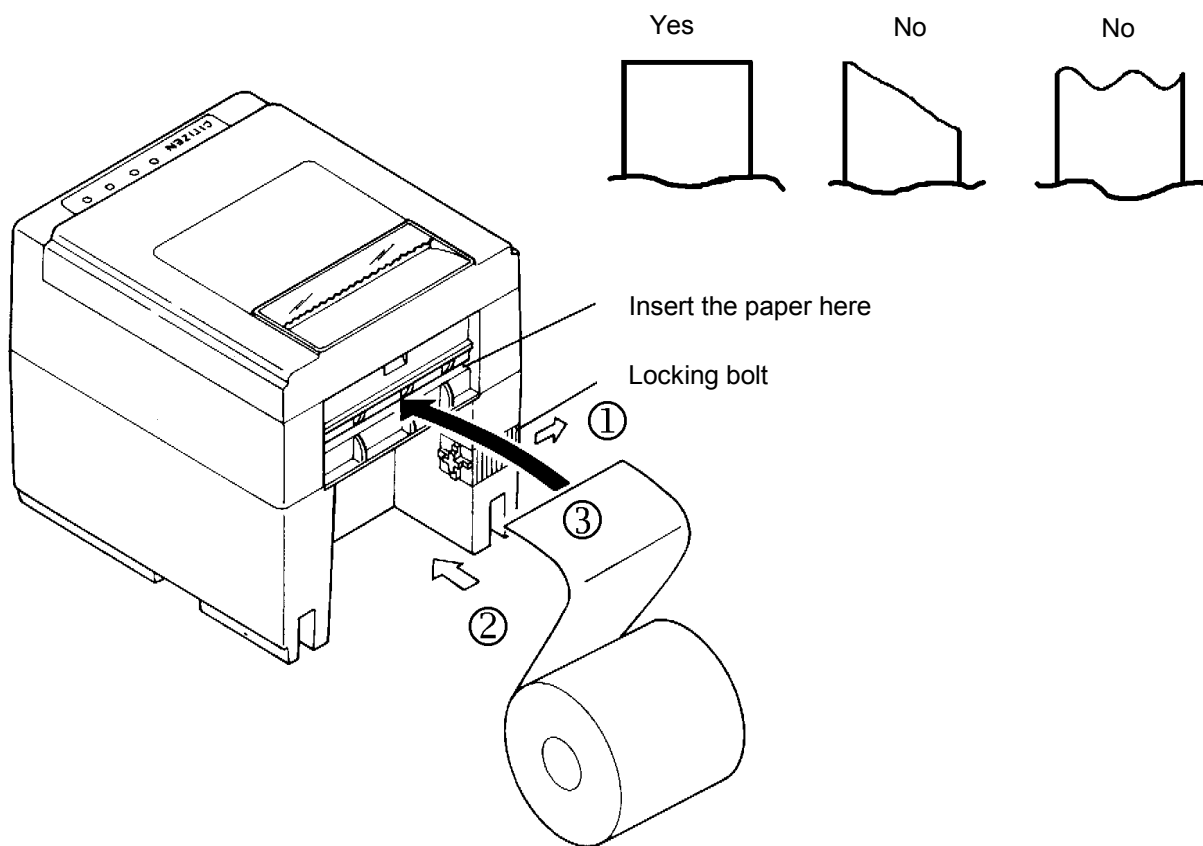
5.4.6. <u>Replacement of the ink ribbon.</u>

① ☞   Get sure that the printer is turned off.

② ☞   Take off the cover of the printer.

③ ☞   Take off the massicot block by pressing on the locking lever.

④ ☞   Take off the old tape pulling it out or by pressing on the two lateral locking keys.

⑤ ☞   Stretch the ribbon with the help of the knob.

⑥ ☞   Insert the new tape. (Refer to the figure below)

⑦ ☞   Stretch again the new ribbon with the help of the knob.

⑧ ☞   Close the massicot block.

⑨ ☞   Position the printer cover.

Tape

Ribbon

Knob

Position the ribbon here

Head

Lateral blocking key
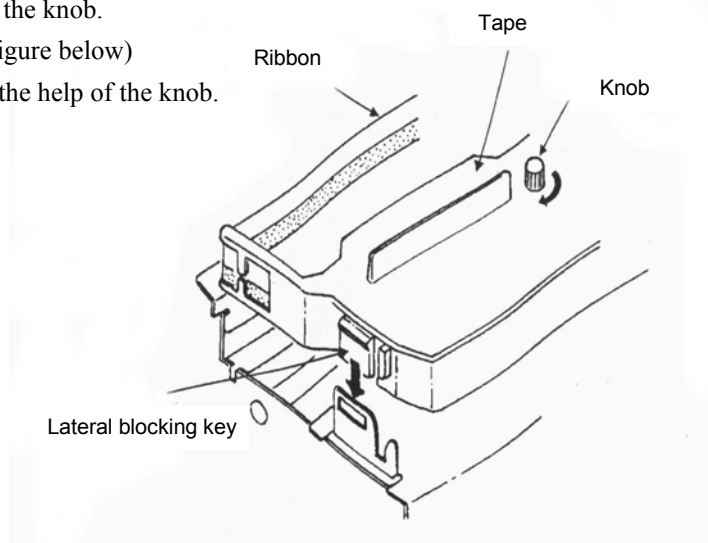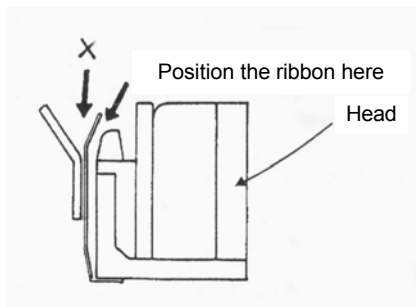
5.4.7. <u>Incidents.</u>

The blinking of the Led 'SEL' signals a dysfunction:
- **Slow blinking** (more than one second period) signals the end of the paper reel.
  ☞ Replace the paper reel.
- **Fast blinking** signals a mechanical problem or a blockage of the massicot.
  ☞ Execute a 'Start / Stop' of the printer.

If it does not work:
  ☞ Verify that the massicot is not stuck by paper fragments then execute a 'Start / Stop' of the printer.
  ☞ A small knob located on the internal side of the massicot allows entering manually the blade.

Massicot
Set

Spair knob