

# **Clone5 1.0**

# USER MANUAL



### 1 - Introduction

This manual presents CLONE5, the program of electronic validators RM5 management of the company COMESTERO Group.

### 1.1 Configuration :

### Minimum

- 1 PC compatible with:
- 1 processor PENTIUM or compatible.
- 64 MB of ram.
- 1 graphic card 800x600 256 colors.

### Recommended

- 1 PC compatible with:
- 1 processor PENTIUM or compatible.
- 128 MB of ram.
- 1 graphic card 800x600 256 colors.
- 1 CD-ROM reader.
- 1 sound board
- 1 Internet access.

# 2 - Installation

### 2.1 Automatic

Turn on your computer and introduce your CD-ROM in the suitable reader. After some seconds the installation program should launch. If this is not the case, proceed to the manual installation as describes below. Otherwise follow instructions that are displayed to the screen.

### 2.2 Manual

Turn on your computer and introduce your CD-ROM in the suitable reader. Click the icon «*Start*» then on «*Execute*». In the field «*Open*», write «*X*:\*Setup*», X represents the letter of your CD drive, and click «Ok». Follow instructions that are displayed to the screen.

### 3 - Parameters

Parameters permit you to force the behavior of options of the program. To activate or to deactivate click them in the screen of starting (Figure 2) menu « *Parameters*».

### 3.1 Sound

Deactivate this option if you wish not to hear sounds of the starting and confirmation of the coins analysis.

### 3.2 Auto adjust

This option to fix the behavior by default of the checkbox « *Adjustment*». See Chapter II 2 - -2 Control.

### 3.3 Direct write

This option adds a button in the window of calibration. This button permits the immediate registration into the validator of the values of the piece to calibrate.

### 3.4 Language

This option permits you to choose the language by default of the software.

### 4 - Starting

Click on the named icon « *Clone5* » desktop or in the menu « *Program* » for launch the software. At the starting of the software this one searches for in this order :

- 1. The presence of a validator. If it detects one of it, it affects automatically the number of the port used by this one.
- 2. The parameter indicating the number of port to use<sup>1</sup>.
- 3. So no some two researches don't succeed, the software will propose the choice of a port among those available on the central unit. (Figure 1)

Communication
Port selection
Port € Com1 € Com2
OK ¥ Exit
FIGURE 1

In this case you must indicated the one to which you will plug your validator. The button *«Exit»* permits you to leave the program.

The name of the port used will be displayed on the title bar of the presentation window. (Figure 2)

<sup>1</sup> ComX where X represents the port number selected.



Figure 2

all information of the connected valida	tor.
🔄 Setting	
I <u>d</u> entification :	De <u>s</u> cription :
Calibration Control Copy Overlap. Values Read Write	Image: Constraint of the second se
Channel 1 to 10   Channel 11 to 20   Channel 21 to 30   Channel 31 to	40 Channel 41 to 50 Channel 51 to 50 Configuration Hardware
HFU Dim. LF Low High	HFL Low High Amp. Enable Value Sub.
1 27 60 0 7 174 177 39 49	104 170 0 18 53 90 🗹 2.00 0
2 18 38 0 7 153 156 21 36	105 153 0 18 58 98 🗹 1.00 0
3 48 63 0 7 161 165 32 43	144 174 0 18 96 126 V 0.50 0
4 18 30 0 7 142 146 31 36	143 174 0 18 100 130 🔽 0.20 0
5 0 11 0 7 111 117 14 22	138 172 0 18 101 137 🔽 0.10 0
6 0 11 0 7 130 134 14 29	104 163 0 20 30 95 🔽 0.05 0
7 0 6 0 7 98 106 0 16	83 160 0 18 34 83 🕅 0.02 0
8 0 6 0 7 38 62 0 10	118 162 0 16 24 252 V 0.01 0
9	
Assembly date : 14. Serial Number 1 Programming date : 20. Hardware Release: 5.3 Software date 31.	/03/2002 /03/2002 /01/2002

Once the port affected the software will pass to the following screen (Figure 3) while trying to load all information of the connected validator.

# FIGURE 3

After some instants all information will be displayed to the screen.

# 5 - Warning

All done modifications won't take effect that after writing into the validator. As to test your validator you must proceed to this one. The only exception to this rule is the cloning where all information is immediately transferred into the validator.

Now you are ready to use the software.



## 1 - Calibration



The function calibration permits you to learn to the validator to identify a coin or a token. For it click the button *« Calibration »*.

After having reread information in the validator the window of calibrating appears on the screen. (Figure 4)



Figure 4

1.1 Description of fields and buttons

# **High fields**

# **Coins profile**

Field name of the chosen coin profile.

### Description

Field description or a remark on the profile used.

### Selection

Button permitting to open the window of management of validators profiles. (Figure 7)

# Value

Field information concerning the value of the coin to calibrate. A base value must exist to fill this field.

# Channel to calibrate

Field in which you indicate the number of channel to calibrate. This field must be informed by a value between 1 and 59.

# Substitution channel

Field in which you indicate the number of the channel to activate at the time of the acceptance of a coin in the channel to calibrate.

The 0 value invalids this option.

- In parallel mode only channels 1 to 6 are valid.
- In binary mode channels 1 to 32 are valid.
- In mode binary confida channels 1 to 16 are valid.

### **Tolerance auto**

Unchecked this checkbox will permit you to open the window of tolerances (Figure 5) in order to indicate to personalize them to coins that you calibrate.

In the contrary case the software will choose tolerances to apply.

### Enabled

This checkbox permits you to indicate if you wish to validate the acceptance in this channel.

### **Response level**

A value different of **0** indicates a problem. Verify that the door is closed.

## Number of coins

Indicate the number of coins analyzed by the validator. A minimum of 10 coins is recommended to assure the reliability of the discrimination.

### Version

Indicate the version number of your validator.

### Low fields

Fields above rules indicate values of acceptance windows. These fields are modified by the coins analysis at each passage of this one. When these values are modified by the coin analysis, the foreground becomes red. You can modify them by hand after the analysis of at least a coin.

The value above rules between signs < > indicates the width of the acceptance window.

The value on the left of the rules indicates the last read value. This value is displayed in red if it is outside of the previous acceptance window.

The rules permit to visualize the width of the window, the position of the cursor is proportional to the last read value.

# **Import**<sup>2</sup>

This button permits to import values of an external file. At the opening of this file the software will adapt these values automatically to the validator. That justifies the fact that you can note some different values between 2 validators.

# Ok

This button validates information.

<sup>&</sup>lt;sup>2</sup> Only on the professional version

# Cancel

This button returns to the previous screen without validating information.

# Calibration

### Fast

- Indicate the channel number to calibrate.
- Introduce at least 10 coins of the type to calibrate.
- Click « Ok ».

A dialogue proposes you to calibrate another channel. In case of negative answer the program opens a window indicating the list of channels superposed (Figure 6) if it exists some.

### Detailed

- Click the button « Select ... » if you wish create or use a profile of coin. (See Profile coins)
- If you wish indicate a value or select -P1-, -P2-, assure you that a base value exists.
- Indicate the channel to calibrate.
- Indicate the substitution channel if necessary otherwise let this field to zero.
- Check the checkbox « *Enable* » if you want to activate the channel.
- Introduce at least 10 coins of the type to calibrate.
- Write manually the necessary values.
- Click « Ok ».
- If you didn't check the checkbox *« Tolerance auto »* the window of tolerances is displayed. (Figure 5). In this case inform fields.

Tolerances		X
T +	TT - 1	
Items	values	
HFU low min.	4	
HFU low max.	4	
HFU high min.	4	
HFU high max.	4	
Dimension min.	1	
Dimension max.	1	
LF min.	2	
LF max.	2	
HFL low min.	8	
HFL low max.	8	
HFL high min.	8	
HFL high max.	8	
HFL amp min.	8	
HFL amp max.	8	
	ancel	

FIGURE 5

- Indicate if you wish to continue and repeat these operations as much time as necessary.
- If necessary, indicate values that you wish to use, validate then by the button « Ok ».

### By import

• Click the button «*Import*», select the file of type [.coi] that you wish to apply and do adjustments that you think necessary. Warning, reports you to the chapter on the button « *Import* ».

• Assure you that files that you import come from an origin authorized by Comestero Group.

At the end operations the program opens a window indicating the list of channels superposed (Figure 6) if it exists some.

Overlapped channels list 🛛 🛛 🔀
1 Overlapping
1   C 8 <> C 9
, <u> </u>

FIGURE 6

### **Coins profile**

The coins profiles (Figure 7) are the descriptive of coins :

- Tolerances
- Value
- Authorization
- Substitution channel.

To open the window of coins profiles click the button « Select... ».

### 1.2 Description of fields and buttons

### Name

Information field on the name of the coin profile.

### Description

Description field or a remark on the profile in progress.

### **Channel of substitution**

Field in which you indicate the channel number to activate at the time of the acceptance of a coin in the channel to calibrate.

The value 0 invalids this option.

- In parallel mode only channels 1 to 6 are valid.
- In binary fashion channels 1 to 32 are valid.
- In fashion binary confida channels 1 to 16 are valid.

# Value

Value field of the coin to calibrate. A compatible base value must exist to use this field.

# Tolerances

Tolerances table. To modify this table, indicate values to affect in the corresponding field.

To use the right table to sail in the database. The arrowed button permit you to choose the record that you want used. The button « - » is used to suppress a record.

### Open

The button « *Open* » permits to open the record to use. A double click in the field of a record has the same effect.

### Save

The button « *Save* » permits to create a record from data to the screen. To create a record you must imperatively affect a name to the profile.

### Close

The button « *Close* » close the screen. If you have clicked in the database, the last selected record will be applied.

# Apply

The button « Apply » applies to the calibration in progress the values displayed on the screen.

### 1.3 Use

# Creation

To create a profile :

- Click the button « Select ... » in the window of calibration.
- Indicate values in fields.
- Click the button « *Save* ».

### Suppression

If you wish to suppress a profile :

- Click the button « *Select*... » in the window of calibration.
- Click in the record to suppress.
- Click the button « ».
- Confirm

### Use

To use a profile :

- Click the button «Select...» in the window of calibration. The window «Profile coins» appears (Figure 7)
- Select the record to apply.
- Click the button « *Apply* »
- Click the button « *Close* »

🧶 Coin Profile					_ [	
Name :		<u>D</u> es	cription :			
Substitution channel :	Enable 🔽	⊻alu	ie :		© <u>P</u> 1© P2	]
Tolerances						
Description	Values		Items	De:	scription	
HFU low min.	4	▶ I EL	iro France	T olerance	T Euro Français	
HFU low max.	4	Tes	1 12	Nouveau t	aet	
HFU high min.	4	Tes	13	Nouveau t	est.	
Hfu high max.	4	toto				
Dimension min.	1					
Dimension max.	1					
LF min.	2					
LF max.	2					
HFL low min.	8					
HFL low max.	8					
HFL high min.	8					~
HFL high max.	8	IK			N -	
HFL amp min.	8					
HFL amp max.	8					
		<u>O</u> p	en <u>S</u> av	re <u>E</u> xi	t <u>Apply</u>	•

FIGURE 7

# 2 - Control



The function of control permits you to adjust or control parameters of a channel. For it, click the button « *Control* ».

A dialogue box (Figure 8) opens up. In this box you must indicate the channel that you wish to control or to adjust. If in the field « *Channel* » you indicate 0, you will be able to search for and load values of the corresponding channel to the coin that you will have introduced.

The checkbox « *With adjust* » permits you to indicate if you want that the program adjusts values to each coin introduction.



FIGURE 8

Channels control			
Coin Profile :	<u>S</u> elect	<u>Value</u> : <b>2.00</b> C P	1 🥥 P2
D <u>e</u> scription :			
Channel to control :		Response level <b>0</b> R	elease : 5,3
Substitution Channel:	<u>E</u> nable :	Number of coins : 0	
HFU 27 < 33>	60 HFU	<b>0</b> < <b>7</b> >	7
60	iiiiiii <u>H</u> ign	· •	
<u>D</u> im. 174 < 3>	177 L <u>E</u>	<mark>39</mark> < <b>10</b> ≻	49
177	49		
HF <u>L</u> 104 < 66>	170 <u>H</u> FL	0 < 18>	18
170	High		
HF <u>L</u> 53 < 37 >	90	Load	
Amp		<u>✓ </u> <u>0</u> K	🗙 Cancel

When you click the button « Ok », the following screen appears. (Figure 9)

FIGURE 9

Do all modifications that you think necessary.

The button «*Load* » permits you to abandon modifications in progress and to work on the channel of which you indicated the number previously in the field « *Channel to control* ». Click the button « Ok » to apply modifications.

### 3 - Move, copy or erase,



The function « *Copy* » permits you to move, copy or erase values of a channel. For it, click the button « *Copy* ». The window of channel copy is displayed. (Figure 10)

Сору	X
Source Channel : 1 🚖	Destination Channel : 1
Clear channel : 🗖	Only values :
	<u>Exit</u> Iransfer

FIGURE 10

### 3.1 Description of fields and buttons

### **Source Channel**

Field in which you indicate the origin channel number. This field must be informed by a value between 1 and 59.

## Source clear channel

Check this checkbox if you wish to clear values in the channel of origin after the move.

# **Destination channel**

Field in which you indicate the channel number toward which you want to transfer data. This field must be informed by a value between 1 and 59 and must be different of the channel source.

### **Only data**

If you validate this checkbox, the value, the authorization and the number of the substitution channel do <u>not</u> be transferred.

### 3.2 Use

### To move

- In the field « Source channel » indicate the channel number to displace.
- In the field *«Destination channel »* indicate the channel number toward which you want to move data.
- Check the checkbox « *Clear channel* ».
- Click the button « *Transfer* ».

Numbers of the channels source and destination must be different.

### То сору

- In the field « Source channel » indicate the channel number to displace.
- In the field *«Destination channel »* indicate the channel number toward which you want to copy data.
- Uncheck the checkbox « *Clear channel* ».
- Click the button « *Transfer* ».

### To erase

- In the field « Source Canal » indicate the number of an empty channel.
- In the field « *Destination channel* » indicate the channel number toward which you want to erase.
- Click the button « *Transfer* ».

Click « *Ok* » to come back to the main window.

### 4 - Overlapped



Click the button « *Overlap*. » to get the number and the list of channels whose values superposed. (Figure 6)

Click « *Ok* » to come back to the main window.

# 5 - Values tables

		<u>⊻</u> alues	

The values table permits you to manage in totality the value that you affect to every channel. When opening of the window (Figure 11) values presented to the screen are values of the read into the validator.

9 ۱	alues Ta	ıble										X
Na	me:					Desc	ription :					
		Table n	ame		Desc	cription	^	Į , ,				
<u></u>	EURO A	LL							Channele	1 - 20 -	0.01	
	EURO A	LL2							Crianneis	1 10 30 . [	0.01	
	Euro3								Channels 3	1 to 60 :	0.01	
	Réf			Moni	nayeur d	le référ	ence			ŕ		
		(	1	1			~		Ratio :			
			►   ►	-			Caulo	1				
							<u>o</u> ave					
	,											
•	hannel	1	2	3	4	5	6	7	8	9	10	
	1-10	2.00	1.00	0.50	0.20	0.10	0.05	0.02	0.01			
1	1-20											
- 2	21-30											
3	31-40											
4	1-50											
1	j <b>1-60</b>											
,							1			- 1		-
						<u>E</u>	leset	Load		Exit		

FIGURE 11

5.1 Description of fields and buttons

### Name

Field of information on the name of the table.

# Description

Field description or a remark on the table in progress.

### Base value of channels 1 to 30

This field indicates the value of channel 1 to 30. This value cannot be superior to the smallest value affected in channels. Values of channels will be the multiple of this value.

### Base value channels 31 to 60

This field indicates the base value of channel 31 to 60. This value cannot be superior to the smallest value affected in channels. Values of channels will be the multiple of this value.

### Ratio

The rate of conversion indicates the rate of conversion to apply to values of channels 31 to 60 to adjust the counter.

# Open

Click « Open » to open the record indicated by the arrow.

# Save

Click « Save » to create a record from data to the screen. You must inform the field « Name ».

# Reset

This button permits to empty the values table displayed.

# Load

This button permits to load to the table values in progress the values of the validator.

## Close

Close the window. You must click previously on the button « *Apply* » to use the table in progress to the validator.

# Apply

This button applies values of the table in progress to the treatment.

### 5.2 Use

When opening of the window the software loads the table of values of the validator connected.

### Clear

To empty information of the table, click the button « Reset ». All fields will be erased.

## To read data of the treatment in progress.

Click the button «Load» to read data of the treatment in progress. This operation erases all modifications.

### To create a new record.

- Indicate values in the different fields. To go from a field to another used the tabulation key or directions arrows.
- Name your record.
- Click the button *«Save »*.

### To use a record

- Select a record.
- Click « Open ».
- Click « Apply ».

# 6 - Read a validator

		Read	

Click the button *«Read »* to read the content of the validator. This operation is done a first time when you launch Clone5 and another time when you click the button *« Calibration »*. The cursor in bottom on the right some screen indicates the level of reading progression. Every time that you connect to a validator you must read its content.

### 7 - Write a validator

|--|

Click the button *«Write »* to write into the validator data displayed to the screen. The cursor in bottom on the right some screen indicates the level of writing progression. You must do this operation imperatively before disconnects the validator or if you want to test modifications that you made.

## 8 - Reading of record



This function permits you to read a record of validator for cloning a validator. The window (Figure 12) presents the list of validators records. You also can from this window to import some outside files.

Warning, values that will be displayed will be not values that record in the cloned validator. When cloning the software will use reference information to compensate data.

▶ ALL EURO 5.3 Euro 8 5.3 Euro Invert 5.3 Silvio 5.3	Version 4
Euro 8       5.3         Euro Invert       5.3         Silvio       5.3	5.3
Euro Invert 5.3 Silvio 5.3	5.3
Silvio 5.3	5.3
	5.3
- H - D	ſ

- 8.1 Description of fields and buttons

# Import

The button «*Import* » opens a dialogue proposing the opening of a data file. Files of data validator have the extension [.get]

Assure you that files that you import come from an origin authorized by Comestero Group.

# Ok

The button  $\ll Ok \gg$  close the window. If you have selected a record this one will be applied.

### Apply

Apply the record and close the window.

### Cancel

Close the window without applying the selected record.

## 8.2 Use

### Use a database record

After having opened the window, double click in the name of the record of the validator to clone.

### Import

Click the button « *Import* » to choose a file. Once the selected file, this one will be included like a record in the database.

# 9 - Writing record



This function adds a record to the database of validators models to clone while using values displayed to the screen. The field « *Name* » must be filled.

# 10 - Cloning



The procedure of cloning permits you to replicate parameters of a validator models into others without having to recalibrate.

It is recommended to use like validators models, validators calibrated in factory. In the instead case a message will warn you.

### 10.1 Use

- 1. Choose a record.
- 2. Click the button « *Cloning* ».

### Case 1

### Valid references (the most frequent case)

- 3. Choose data that you wish to clone in the window of cloning (Figure 13).
- 4. After that, click the button (Ok). The software will transfer data directly into the validator. The cursor in bottom on the right some screen indicates the progression of the operation (between 5 and 7 seconds).

### Case 2

### Invalid or missing references (rare)

- 3. A message will warn you of the situation. Prepare tokens provided with the kit.
- 4. Introduce the 5 gold tokens. Validate.
- 5. Introduce the 5 silver tokens. Validate.
- 6. Choose data that you wish to clone in the window of Cloning (Figure 13).
- 7. After that, click the button (Ok). The software will transfer data directly into the validator. The cursor in bottom on the right some screen indicates the progression of the operation (between 5 and 7 seconds).

Cloning					
Options					
Channels data					
Values table :					
Prices table :					
Enable table :					
Configuration :					
Please! Be sure that validator is connected.					
<b>√</b> <u>0</u> K	X Annuler				

FIGURE 13

To work on data of a validator that you have cloned, you must reread this one.

### 11 - Mini - programmer

										***	
										<u>M</u> ini-Pgm	
The min	i - progr	ammer f	function	permits t	o record	data to	the scree	n into a i	nini to n	rogram v	without

having to transit by a validator. For that, connect the mini-programmer on the port of the PC and click the button «*Mini-pgm*». A green led blinking.

As soon as the mini to program is detected, the green led disappears and a red led ignites to indicate the beginning of the transmission.

Once the transmission finished the green led gets back to blink.

Disconnect the mini to program and click again on the button «Mini-Pgm» to return to main window.

### 12 - Configuration

Click on the tab to arrive to the configuration screen (Figure 14)

Setting			$\overline{\mathbf{X}}$
Identification :		De <u>s</u> cription :	
Calibration Channel 1 to 10 Channel 1 to 10 Channel 1 to 20 Channel 21 to 30	ead <u>Write</u> Open Channel 31 to 40 Channe	Save         Cloning         Mini-Pgm           141 to 50         Channel 51 to 60         0	Configuration   Hardware
Type         C       00 - Validator         C       10 - Totalizer - 2 prices         C       20 - Totalizer - video game         G       30 - Timer Totalizer         C       40 - Totalizer - credit         C       50 -         C       60 - Timer Totalizer - credit         C       70 - Totalizer - photocopy	Options Display Standby mode Separator Dip inhibition Dip 4/2 Time in minutes Ext Start (3R) Ext Counter signal (3C)	Prices       Min. addition       Service Price       Service Width       W       Warning in set       Image: Service Serv	e <b>0,20</b> h in min. <b>2</b> ec. <b>1</b>
Cash counters / Limits Resel Active Counter 1 : 2,	t ,20	Base Value Channel from Channel from	1 to 30 : <b>0 , 01</b> 31 to 60 : <b>0 , 01</b>
Assembly date : Serial Number 1 Programming da Hardware Release: <b>5.3</b> Software date	ate : 20/03/2002 31/01/2002		<b>E</b> <u>x</u> it

FIGURE 14

### 12.1 Outlet

# Vending

- 1. Vending
- 2. Vending anti jam.

If this option is selected, the coil of the validator will be activated regularly if the output is obstructed.

# Games

1. Game

In this configuration the coil of the validator will be activated until the complete exit of the coin.

2. Fast game

In this configuration the coil of the validator will be activated during one determined time.

## 12.2 Type

- 00 Validator
- 10 Totalizer 2 prices
- 20 Totalizer video games
- 30 Time totalizer
- 40 Totalizer credit
- 60 Time totalizer credit
- 70 Totalizer photocopy

# 12.3 Option

### Limit

### Available on the version 00

This function permits to activate or to deactivate the limit of cash or to define the maximal value of acceptance.

### **Binary exit**

### Available on the version 00

This function permits to choose the type of signal provides by the validator :

- 1. Parallel
  - Exit on one line for the first 6 channels. For channels superior to 6 the coding becomes binary.
- 2. Binary
- Binary coding of the channel number activated.
- 3. Binary confida Idem to 2 with 1 bit of parity.

### Confida

### Available on the version 00

Only in binary mode. To see binary Exit

### Separator

### Available on versions 00–10–20–30–40–60–70

This function permits to activate or to deactivate the separator. Cannot be activated in binary mode.

### **Display off**

### Available on versions 10-20-30-40-60-70

Activate or deactivate the display. The display cannot be activated with a separator.

### **External Reset**

### Available on versions 10

Indicate if the reset of the meter and activations is automatic or makes by activation of an external contactor.

### Rest

### Available on versions 10-40-60-70

This function permits to activate the recuperation of the rest. That means to preserve the remaining amount for the following credit.

### **Dip inhibition**

# Available on versions 10-20-30-40-60-70

This function validates the inhibition of the first 6 channels by micro-switches.

# Limit 1

### Available on the version 10

This function permits to activate the use of a number limit for products corresponding to the price 1.

### Limit 2

### Available on the version 10

This function permits to activate the use of a number limit for products corresponding to the price 2.

### **High Reset**

Available on the version 10 This function reverses the level of reset. (See external Reset)

### **Down-counting display**

# Available on the version 10

Display the amount to insert and decrease it with the progression of the introduction of the currency.

### Dip 4/2

Available on versions 10–20–30–40–60–70 This function permits the use of 4 switches to fix the amount of a credit and 2 to fix the bonus.

### Economizer

Available on the version 30 This function permits to interrupt the decrease time on demand.

### Ext Start (3R)

Available on the version 30 This function allows the use of an external contactor to start timer.

### Ext Counter signal(3C)

Available on the version 30 Enable an external countering.

# Time in minutes

**Available on the version 60** This function indicates if the delay is in seconds or in minutes.

## **Toggle counting**

# **Available on the version 60** This function allows the display of the timer.

### 12.4 Price

# P2 value

**Available on the version 00** Field giving the value of the P2 token

### P1 value

**Available on the version 00** Field giving the value of the P1 token

### Limit / P1

**Available on the version 00** Field giving the value of the P1 token or indicating the limit of sale.

# Pulse credit in ms

**Available on the version 00** Delay of the impulse on the activated channel.

## Price 2

Available on the version 10 Amount necessary for activated the line of price 2.

### Price 1

Available on the version 10 Amount necessary for activated the line of price 1.

### Minimum width reset in ms

Available on the version 10 (See external Reset) Minimum delay of activation of the reset line to validate the order.

### Reset width in sec.

Available on the version 10 (See external Reset) In automatic reset case, delay of the activation of the order line.

### Nbr for notice

**Available on the version 10** Level of credit after which the display will blink for warning.

# Bonus 1

Available on versions 20–40 –60 –70 Amount necessary to reach the first level of bonus.

### **Credit price**

Available on versions 20–40 –60 –70 Amount necessary to get the first credit.

### Pulse width (ms)

Available on the version 20–40 Time during which will be activated the line of credit.

### Bonus 2

Available on versions 20–40 –60 –70 Amount necessary to reach the second level of bonus.

### **Credit bonus 2**

**Available on versions 20–40 –60 –70** Number of credit when the amount of the bonus 2 is reached.

# **Credit bonus 1**

Available on versions 20–40 –60 –70 Number of credit when the amount of the bonus1 is reached.

# Min. addition

Available on the version 30 Amount minimum to add to prolong the time.

### **Service Price**

Available on the version 30 Amount to introduce to get one unit of time

### Warning in sec.

**Available on the version 30** Time during the line of warning will be activated.

# Credit delay

Available on the version 60 Time of activity of the credit line in minutes or in seconds. (See Time in minute)

### Delay in ms

Available on the version 70 Time of residual activity of the credit line after having activated the contactor.

### 12.5 Cash counters / Limits

Active Activate counters

### Reset

Button of reset the counter concerned.

### Counter 1

On all versions except on the version 10 Amount in base value introduces into the validator since the last reset.

# On the version 10

Number of credits of the price 1 gives.

# Counter 2

# Available on the version 10

Number of credits of the price 2 gives.

### Vend limit 1

### Available on the version 10

Maximum number of credits can be gives to the price 1. (See Limit 1)

# Vend limit 2

# Available on the version 10

Maximum number of credits can be gives to the price 2. (See Limit 2)

<b>Setting</b>		
Identification :	De	escription :
Calibration       Control       Copy       Qverlap.       Values       R         Channel 1 to 10       Channel 11 to 20       Channel 21 to 30         Type       00 - Validator       Control 11 to 20       Channel 21 to 30         Type       00 - Validator       Control 10 - Totalizer - 2 prices       Control 10 - Totalizer - video game         C 30 - Timer Totalizer       40 - Totalizer - credit       Control 10 - Totalizer - credit         C 50 -       60 - Timer Totalizer - credit       Control 10 - Totalizer - photocopy	Image: Second state       Image: Second state<	Image: Cloning       Image: Cloning         Channel 51 to 60       Configuration         Hardware       Prices         Price 2 :       Price 1 :         Minimum Reset Width in ms       100         Nbr for notice       50
Vending anti-jam     Vending     Cash counters / Limits	Dow-counting display	Base Value
Active Counter 1 :	Counter 2 :	Channel from 1 to 30 : 0.01 Channel from 31 to 60 : 0.01
Assembly date : Serial Number 1 Programming da Hardware Release: <b>5.3</b> Software date	: 14/03/2002 ate : 20/03/2002 31/01/2002	E zit

FIGURE 15

### 13 - Hardware

Click on the tab to arrive to the Hardware screen (Figure 15)

# **Measure reliability**

A value different of 0 indicates a problem on coils. Verify if the door is opened.

# Standby values

Values of measure parameters in standby.

### **Reference value**

Values of measure parameters at the time of the last record.

**Dip switch** Position of micro-switches.

# Input 1

Version 10 State of the input 1

### Inhibit

Version 10 Idem input 1

# Cash sensor

State of the output opto-coupler.

# Diagnostic

Diagnose main components.

# Test value (via serial)

Click the « Start » button and introduce a coin to know the value of it.

### Hardware test

Click on this button to reread all readings of hardware values.

# Output test

Click on this button to activate the coil of acceptance and all exits sequentially. The illuminated led must correspond to the activated exits.

Chapter 1.	2
1 - Introduction	2
2 - Configuration :	2
2.1 Minimum	2
2.2 Recommended	2
3 - Installation	2
3.1 Automatic	2
3.2 Manual	2
4 - Starting	3
5 - Warning	5
Chapter II	6
1 - Calibration	6
1.1 Description of fields and buttons	6
High part	6
Low part	7
Calibration	8
Coins profile	9
1.2 Description of fields and buttons	9
1.3 Use	10
Creation	10
Suppression	10
USE	10
2 - Control	11 12
2 1 Description of fields and buttons	12
2.2 Lice	13
5.2 USE То тома	13
To conv	13
То егосе	13
4 - Overlanned	13
5 - Values tables	13
5 1 Description of fields and buttons	13
5.2 Use	
Clear	15
To read data of the treatment in progress.	15
To create a new record.	15
To use a record	15
6 - Read a validator	15
7 - Write a validator	15
8 - Reading of record	16
8.1 Description of fields and buttons	16
8.2 Use	17
Use a database record	17
Import	17
9 - Writing record	17
10 - Cloning	17
10.1 Use	17
Case 1	1/
Lase 2	/ I
11 - Milli - programmer	10 19
12 - Connguration	10
Vending	10
Games	و 1 19
12 2 Type	19
12.3 Option	1) 20
Limit	20
Binary exit	20
Confida	20
Separator	20
Display off	20

External Reset	
Rest	
Dip inhibition	
Limit 1	
Limit 2	
High Reset	
Down-counting display	
Dip 4/2	
Economizer	
Ext Start (3R)	
Ext Counter signal(3C)	
Time in minutes	
Toggle counting	
12.4 Price	
P2 value	
P1 value	
Limit / P1	22
Pulse credit in ms	
Price 2	22
Price 1	22
Minimum width reset in ms	22
Reset width in sec	22
Nbr for notice	22
Bonus 1	22
Credit price	22
Pulse width (ms)	22
Bonus 2	22
Credit bonus 2	23
Credit bonus 1	23
Min addition	23
Service Price	23
Warning in sec	23
Credit delay	23
Delay in ms	23
12.5 Cash counters / Limits	23
Active	23
Reset	23
Counter 1	23
Counter 2	23
Vend limit 1	25
Vend limit 7	24
13 - Hardware	24
Measure reliability	24
Standhy values	24
Reference value	27 24
Din switch	
Dip Switch Input 1	
IIIput I Inhihit	
IIIIIUIt	
Cash sellsul	
Diagnosuu	
I CSI Value (Via Sellai)	
Dutput test	
Output test	

Figure 1	3
Figure 2	4
Figure 3	5
Figure 4	6
Figure 5	8
Figure 6	9
Figure 7	11
Figure 8	11
Figure 9	
Figure 10	
Figure 11	14
Figure 12	16
Figure 13	
Figure 14	
Figure 15	
-	