



OPERATING GUIDE CMA TRONIQUE

GU 7034 EN D

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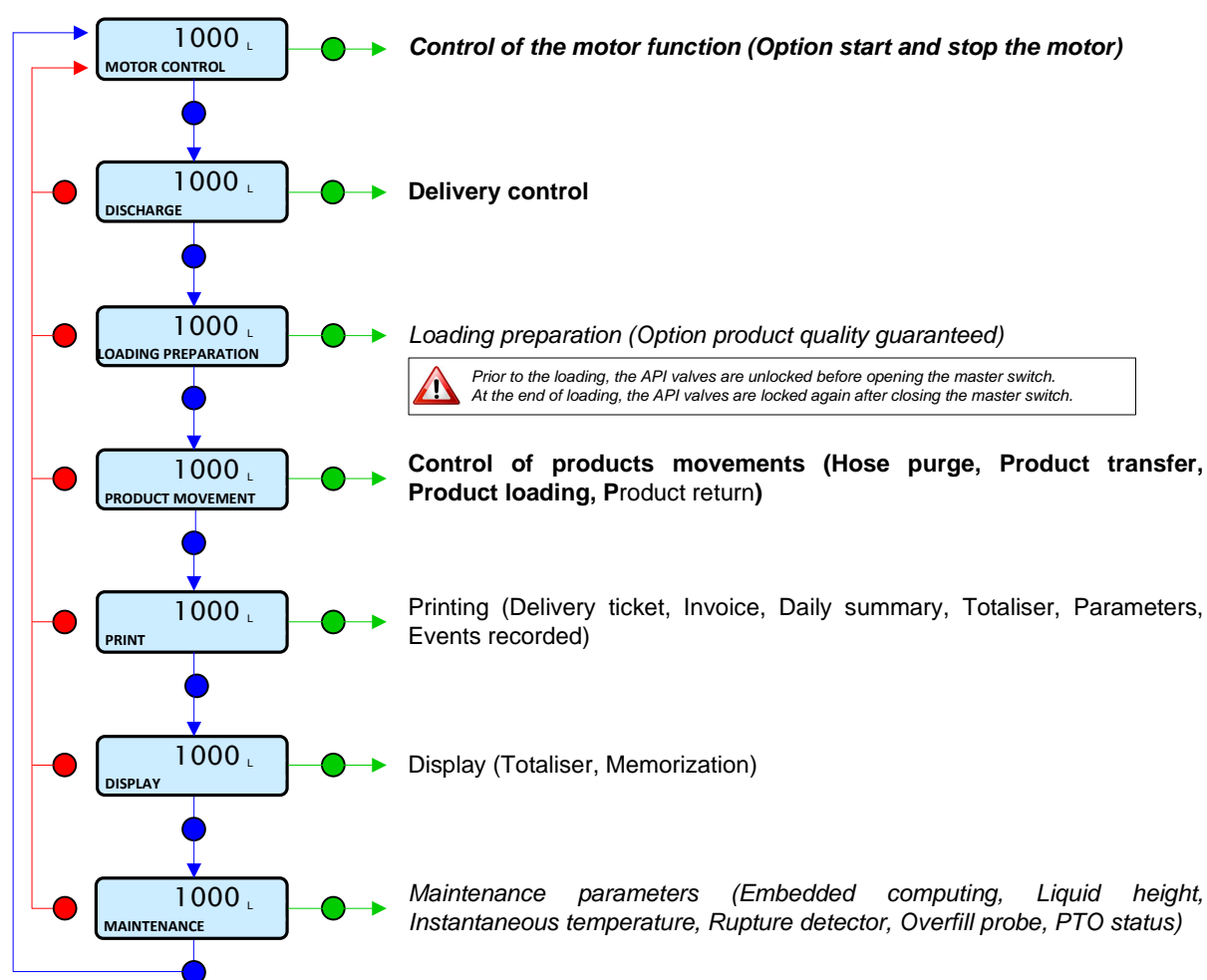
This document sketches out the main menus (please refer to operating manual MU 7034 EN for further information).

USING THE BUTTONS

- - Come back to the previous stage
- - Increment the blinking figure

- - Choose the menu option
- - Access to the following figure

- - Validate the displayed option
- - Validate the entry data



RUN A DELIVERY

1. POWER UP AND START THE MOTOR

Power up (battery isolation switch)

MOTOR CONTROL 1000 L MOTOR→START Press until motor starts

Back to DISCHARGE menu

2. PREPARE THE DISCHARGE

DISCHARGE 1000 L Display test

▲ SELECT THE DISTRIBUTION WAY with active option

WAY→PUMPED COUNTED
WAY→GRAVITY Validate with

▲ CHOOSE THE COMPARTMENT with active option

COMPARTMENT NUMBER 1
COMPARTMENT NUMBER 2
... etc Validate with

▲ CHOOSE THE PRODUCT

PRODUCT→FUEL
PRODUCT→DIESEL Validate with

▲ SELECT THE DISTRIBUTION OUTLET with active option

HOSE 1 (FULL)
HOSE 2 (EMPTY) Validate with

▲ SELECT THE DISTRIBUTION MODE

MODE→PRESET preset volume
MODE→PRESET+PURGE preset+hose purge* With control of compartment flaps
MODE→BARRELS barrels low flow
MODE→FREE free with nozzle Validate with

▲ SET THE VOLUME with PRESET or PRESET+PURGE MODE

00000 L
ENTER PRESET VOLUME

Change the blinking figure value

Access to the following figure

Validate the entry data

▲ ENGAGE THE PUMP with active option

DECLUTCH IN PROGRESS ENGAGE PTO

3. CARRY OUT THE DISCHARGE

▲ START THE DISCHARGE

START DISCHARGE HF 0 L high flow
START DISCHARGE LF 0 L low flow Pumped delivery Validate with

Display during discharge:

536 L
PRESET / FUEL / CPT 2
Distribution mode Product Compartment used Distribution way
Volume \int Vm: volume at temperature indication \ Vb: converted volume
EmA: pumped way
EmB: gravity way

The discharge may be interrupted by several situations:

► THE COMPARTMENT IS EMPTY

COMPARTMENT 2 EMPTY 980 L CONTINUE DISCHARGE 980 L

Choose another compartment

Start the discharge §3

► APPEARANCE OF A FAULT AND DISPLAY OF AN ALARM

689 L
(see list of alarms)

Continue/stop (§4) or end (§5) the discharge

► INTENTIONAL INTERRUPTION OF THE DISCHARGE

FINISH DISCHARGE 735 L

Continue/stop (§4) or end (§5) the discharge

▲ DISPLAY DISCHARGE INFORMATION

INSTANTANEOUS FLOW 019,3 INSTANT. FLOWRATE HF Change displayed flowrate (HF/LF). Unit: m³/h or L/min
HEIGHT OF LIQUID 00749 HEIGHT OF LIQUID
PRODUCT TEMPERATURE 18,3 PRODUCT TEMPERATURE with active option

4. CONTINUE OR STOP THE DISCHARGE

▲ CONTINUE THE DISCHARGE

980 L
CONTINUE DISCHARGE

Start the discharge §3

▲ STOP THE DELIVERY (move the vehicle)

MOVE VEHICLE 980 L PTO REMOV. IN PROGR. 980 L CLUTCHING IN PROGR. 980 L DISCHARGE PAUSE 980 L

Choose the compartment with active option

Remove the pump

Start the discharge §3

After having moved the vehicle

5. END THE DISCHARGE

▲ FINISH THE DISCHARGE

FINISH DISCHARGE 1000 L DISCHARGE FINISHED 1000 L

Move the vehicle (§4)

Continue the discharge (§4)

▲ REMOVE THE PUMP

PTO REMOV. IN PROGR. 1000 L CLUTCHING IN PROGR. 1000 L

6. STOP THE MOTOR

MOTOR→STOP Press until motor stops with active option

7. PRINT THE DISCHARGE DOCUMENTS

DELIVERY TICKET 1000 L PRINTING IN PROGRESS 1000 L PRINTING FINISHED 1000 L

INVOICE 1000 L (choice for taxes) (choice for unit price)

Printing of invoice

Printing of cheque

Back to main menu

MEANING OF SYMBOLS

▲ Mandatory action

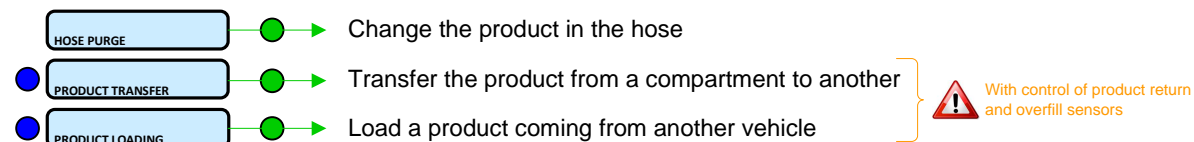
▲ Optional action (depends on configuration choosen)

► Event during delivery

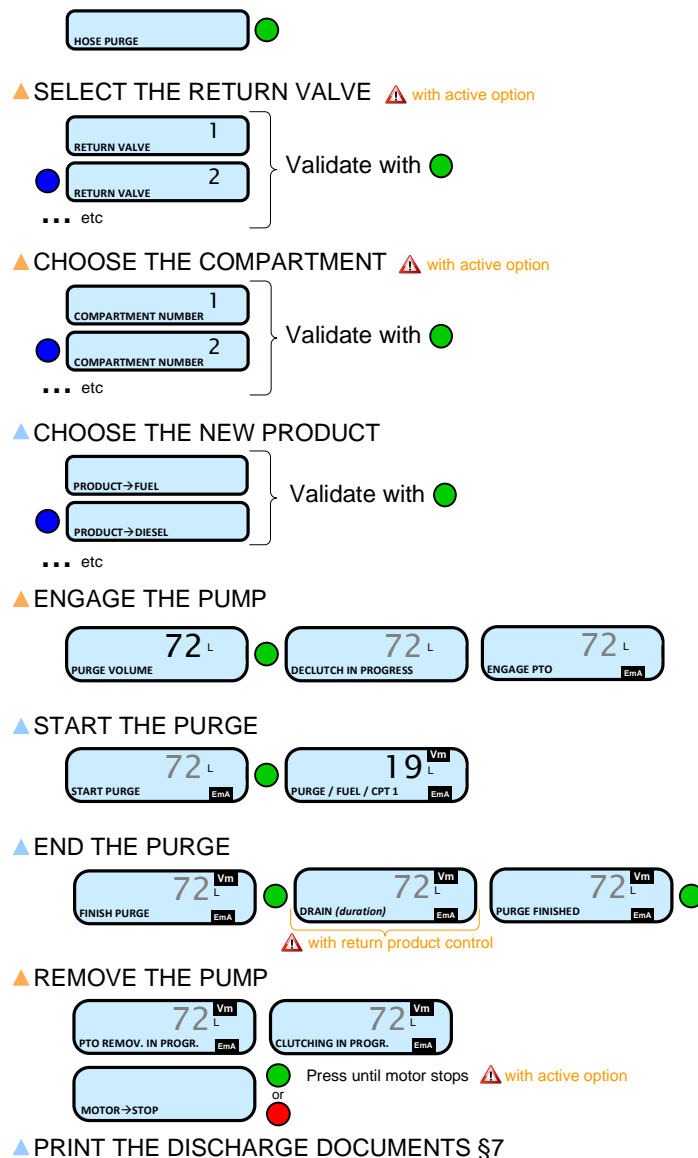
👤 Action by operator

*With the distribution mode PRESET+PURGE choose the product and the compartment used for the purge.

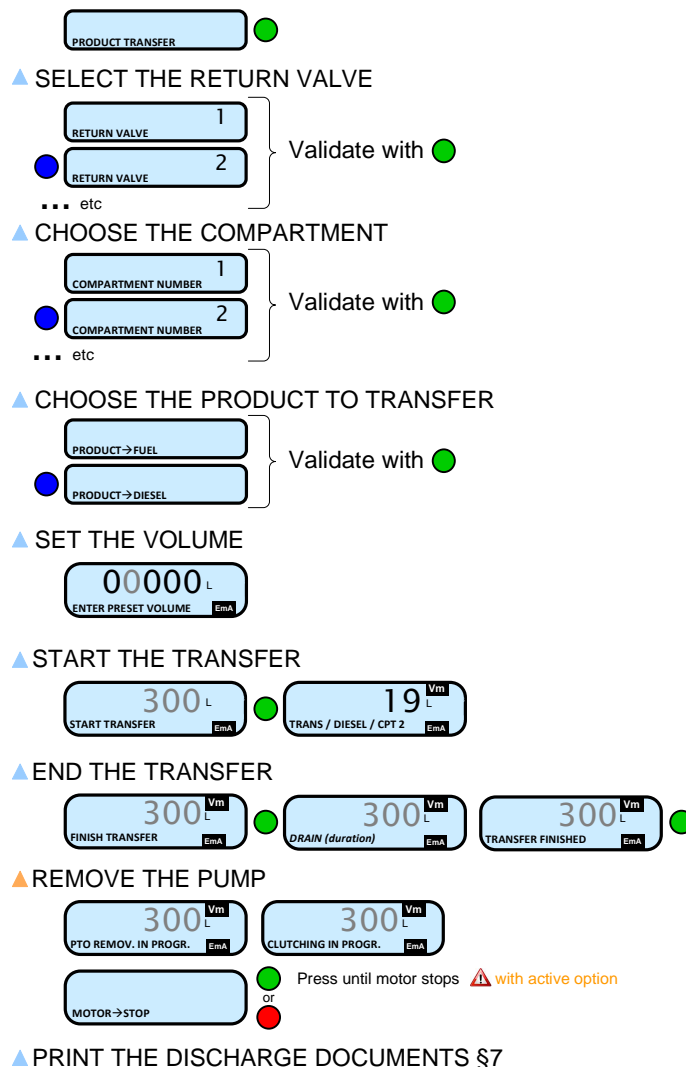
RUN A PRODUCT MOVEMENT



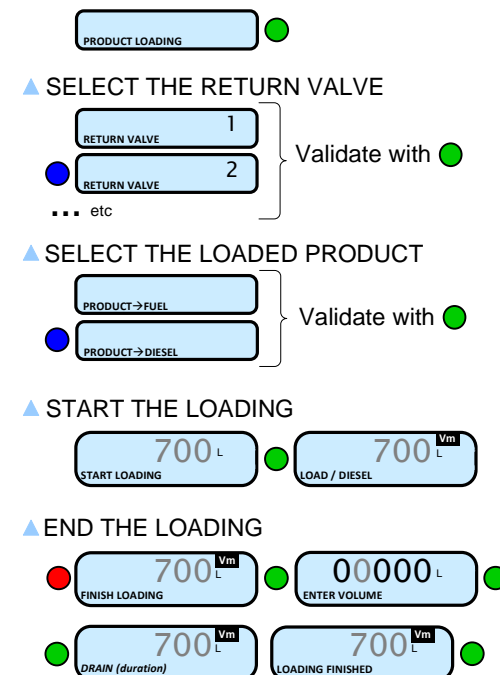
HOSE PURGE



PRODUCT TRANSFER



PRODUCT LOADING



MEANING OF SYMBOLS

- ▲ Mandatory action
- ▲ Optional action (depends on configuration chosen)
- ▶ Event during delivery
- 👤 Action by operator

LIST OF ALARMS

		DISPLAY	MEANING	ACTION
USER	ALL	STOP DISCHARGE	Intentional interruption of discharge	Continue, stop or finish the discharge
		PRINTER FAILURE	Communication with the printer lost	Check the connection cable, on-off switch and fuse
		POWER SUPPLY PROBLEM	Power outage during discharge	Check the cause / Restore power supply
		ZERO FLOW DEFAULT	Zero flow	Check if the pulse transmitter is powered (red indicators)
		LOW FLOW DEFAULT	Low flowrate (less than 4m ³ /h)	Check the parameters / Check the hydraulic system (valve, strainer, nozzle...)
		HIGH FLOW DEFAULT	High flowrate (greater than maximum flowrate)	Check the parameters / Reduce flowrate
		DIARY DEFAULT	Reset of the events diary	Acknowledge the alarm, check the date in supervisor mode (supervisor key)
	PUMPED	INCOHERENT SIGNAL	Coherence failure in metering lines	Check the position of the manual selection valves
		EMA METERING PROBLEM	Metering problem with the measuring device	Check if the pulse transmitter is powered (red indicators), if not check the wiring / Change the sensor if required
		PTO DEFAULT	Coherence failure with power take-off	Check the power take-off status in driver's cab
		OVERFILL DEFAULT	Overfilling during a product movement	Transfer product in another compartment
		RUPTURE DG DEFAULT	Rupture detector failure	Use the maintenance mode to check the status of the detector
REPARATOR	FLEXI TRONIQUE	PURGE NOT FINISHED	Purge of manifold (and/or hose) not finished	Finish the purge
		EMB METERING PROBLEM	Metering problem with the measuring device	Check if the pulse transmitter is powered (red indicators), if not check the wiring / Change the sensor if required
	ALL	GAS DETECTOR DEFAULT	Gas detector failure	Use the maintenance mode to check the status of the detector
		DISPLAY DEFAULT	Problem with display card	If steady alarm, substitution of the display card
		WATCHDOG DEFAULT	Fault with display or power card or AFSEC+ card	Switch on-off the Microcompt+ / If steady alarm, substitution of the faulty card
		VOLUME CONVER DEFAULT	Problem during conversion of volume	If steady alarm, substitution of the AFSEC+ electronic card
	PUMPED	TOTALISER 1 LOST	Loss of totalizer	Substitution of the backup battery
		PRESSURE DEFAULT	Pressure determination failure	If steady alarm, see a reparator for trouble shooting
	FLEXI TRONIQUE	TEMPERATURE 1 DEFAULT	Temperature determination failure	If steady alarm, see a reparator for trouble shooting
		TOTALISER 2 LOST	Loss of totalizer	Substitution of the backup battery
	BLOCKING	TEMPERATURE 2 DEFAULT	Temperature determination failure	If steady alarm, see a reparator for trouble shooting
		MEMORY LOST (PILE)	Loss of saved memory	Substitution of the backup battery
		MEMORY LOST	Error on SIM memorization	Enter and exit the METRO mode / If steady alarm, substitution of the backup battery
		DATE AND TIME LOST	Loss of date and time	Set date and time in supervisor mode (supervisor key)
		COEFFICIENTS DEFAULT	Deviation between coefficient LF/HF greater than 0.5%	Modification of the low flow coefficient (K1)
		PROM DEFAULT	Loss of software or resident integrity	Substitution of the AFSEC+ electronic card
		RAM DEFAULT	Saved memory fault	Substitution of the AFSEC+ electronic card
	BLOCKING	EEPROM MEMORY LOST	Loss of metrological configuration	Substitution of the AFSEC+ electronic card
		MEMORY OVER LOADED	SIM memory full	Substitution of the AFSEC+ electronic card