



OPERATING GUIDE

GU 7034 EN C

CMA TRONIQUE

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

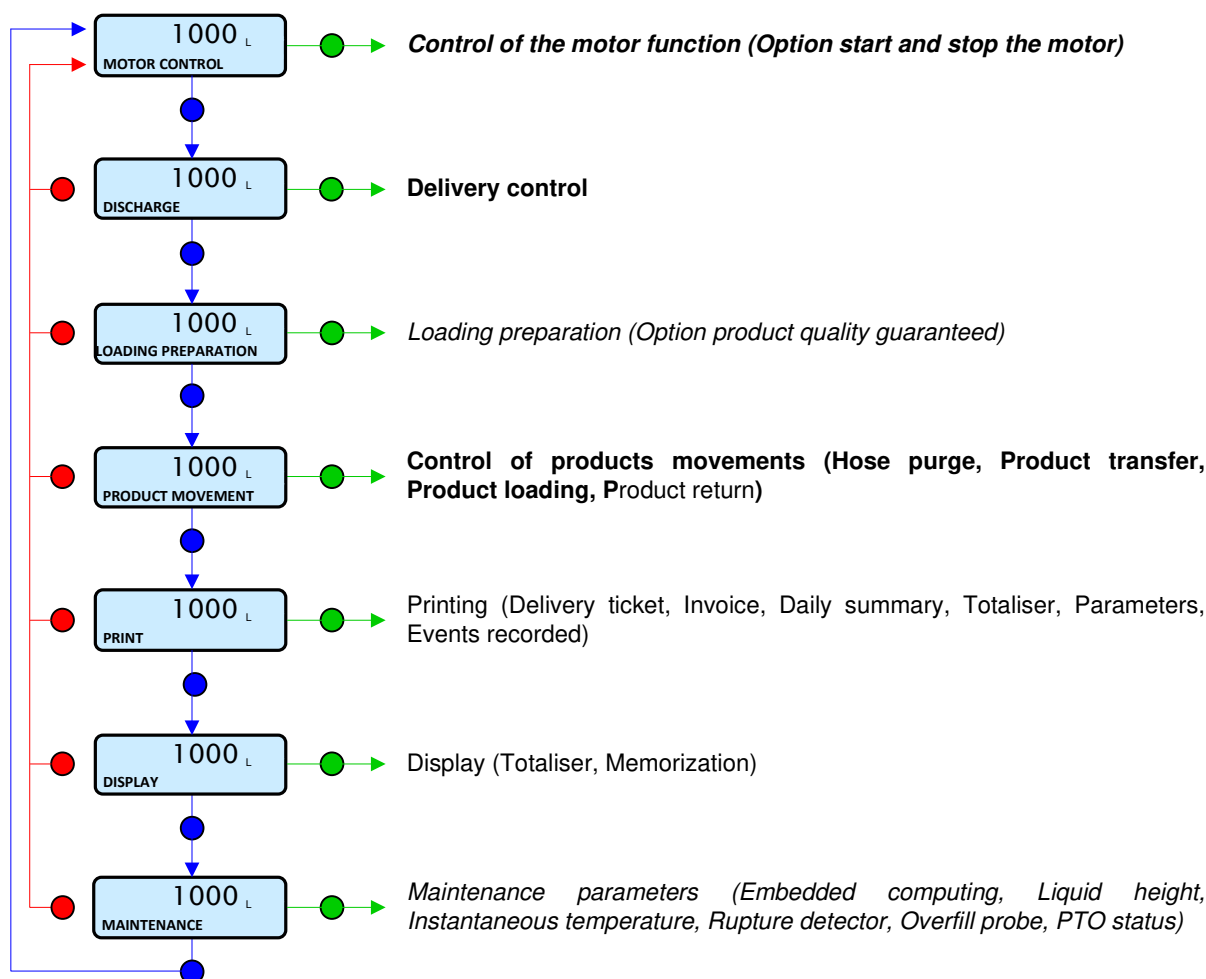
USING THE BUTTONS

- - 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



ALMA SERVICES LOCALISATION

Normandie

76140 PETIT QUEVILLY
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Atlantique

44800 SAINT-HERBLAIN
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Aquitaine

33530 BASSENS
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Nord

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Réunion

97 LE PITON SAINT-LEU
Tél : +(262) 6 92 33 56 25

Est

67800 HOENHEIM
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Rhône-Alpes

69320 FEYZIN
ph: +33 (0) 4 78 67 53 77

Sud-Est

13127 VITROLLES Cedex
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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*
MODE→BARRELS barrels low flow
MODE→FREE free with nozzle
Validate with

▲ SET THE VOLUME **with PRESET or PRESET+PURGE MODE**

ENTER PRESET VOLUME 00000 L

Change the blinking figure value
Access to the following figure
Validate the entry data

▲ ENGAGE THE PUMP **with active option**

DECLUTCH IN PROGRESS 1000 L
ENGAGE PTO 1000 L

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

3. CARRY OUT THE DISCHARGE

▲ START THE DISCHARGE

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

Display during discharge:

PRESET / FUEL / CPT 2 536 L Vm
EmA
Distribution mode Product Compartment used Distribution way
EmA: pumped way
EmB: gravity way

The discharge may be interrupted by several situations:

► THE COMPARTMENT IS EMPTY

COMPARTMENT 2 EMPTY 980 L Vm
EmA
CONTINUE DISCHARGE 980 L Vm
EmA

Choose another compartment

Start the discharge §3

► APPEARANCE OF A FAULT AND DISPLAY OF AN ALARM

(see list of alarms) 689 L Vm
EmA

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

► INTENTIONAL INTERRUPTION OF THE DISCHARGE

FINISH DISCHARGE 735 L Vm
EmA

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

▲ DISPLAY DISCHARGE INFORMATION

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

4. CONTINUE OR STOP THE DISCHARGE

▲ CONTINUE THE DISCHARGE

CONTINUE DISCHARGE 980 L Vm
EmA

Start the discharge §3

▲ STOP THE DELIVERY (move the vehicle)

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

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 Vm
EmA
DISCHARGE FINISHED 1000 L Vm
EmA

Move the vehicle (§4)

Continue the discharge (§4)

▲ REMOVE THE PUMP

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

6. STOP THE MOTOR

MOTOR→STOP Press until motor stops **with active option**

7. PRINT THE DISCHARGE DOCUMENTS

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

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

Printing of invoice
Printing of cheque

Back to main menu

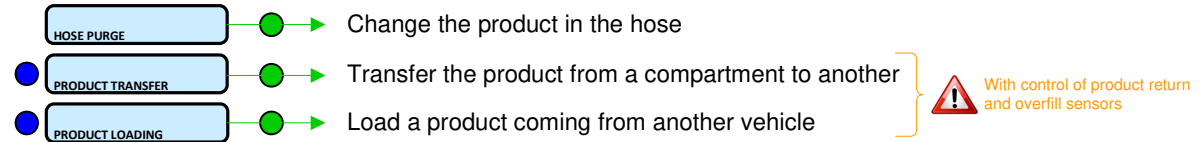
MEANING OF SYMBOLS

▲ Mandatory action

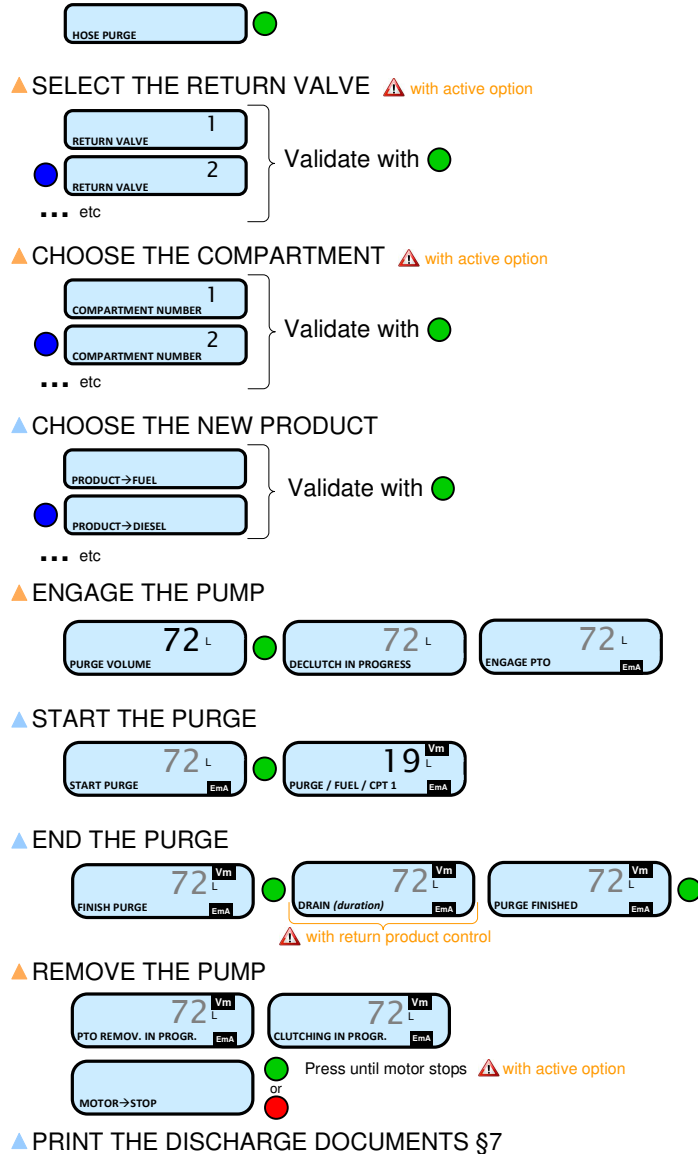
▲ Optional action (depends on configuration choosen)

► Event during delivery

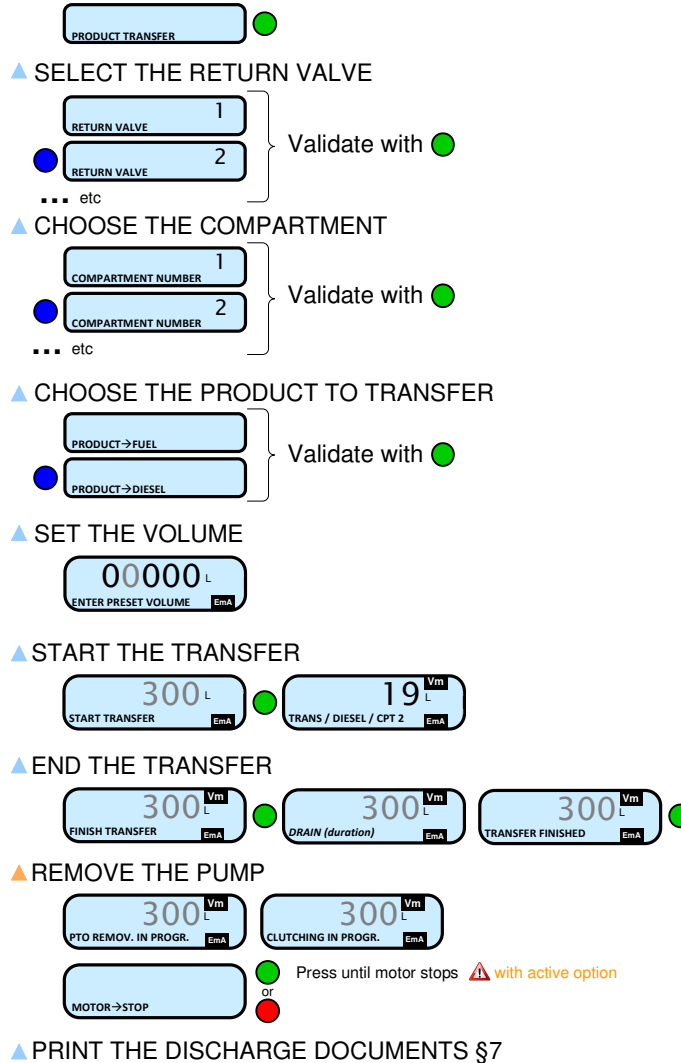
RUN A PRODUCT MOVEMENT



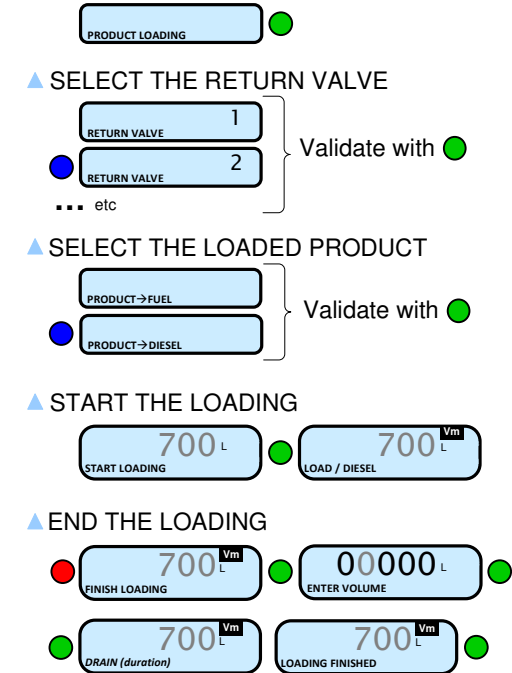
HOSE PURGE



PRODUCT TRANSFER



PRODUCT LOADING



MEANING OF SYMBOLS

- ▲ Mandatory action
- ▲ Optional action (depends on configuration chosen)
- ▶ Event during delivery

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 4m³/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
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	
		GAS DETECTOR DEFAULT	Gas detector failure	Use the maintenance mode to check the status of the detector
REPARATOR	ALL	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
		TEMPERATURE 1 DEFAULT	Temperature determination failure	If steady alarm, see a reparator for trouble shooting
	FLEXI TRONIQUE	TOTALISER 2 LOST	Loss of totalizer	Substitution of the backup battery
		TEMPERATURE 2 DEFAULT	Temperature determination failure	If steady alarm, see a reparator for trouble shooting
	BLOCKING	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
		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	