

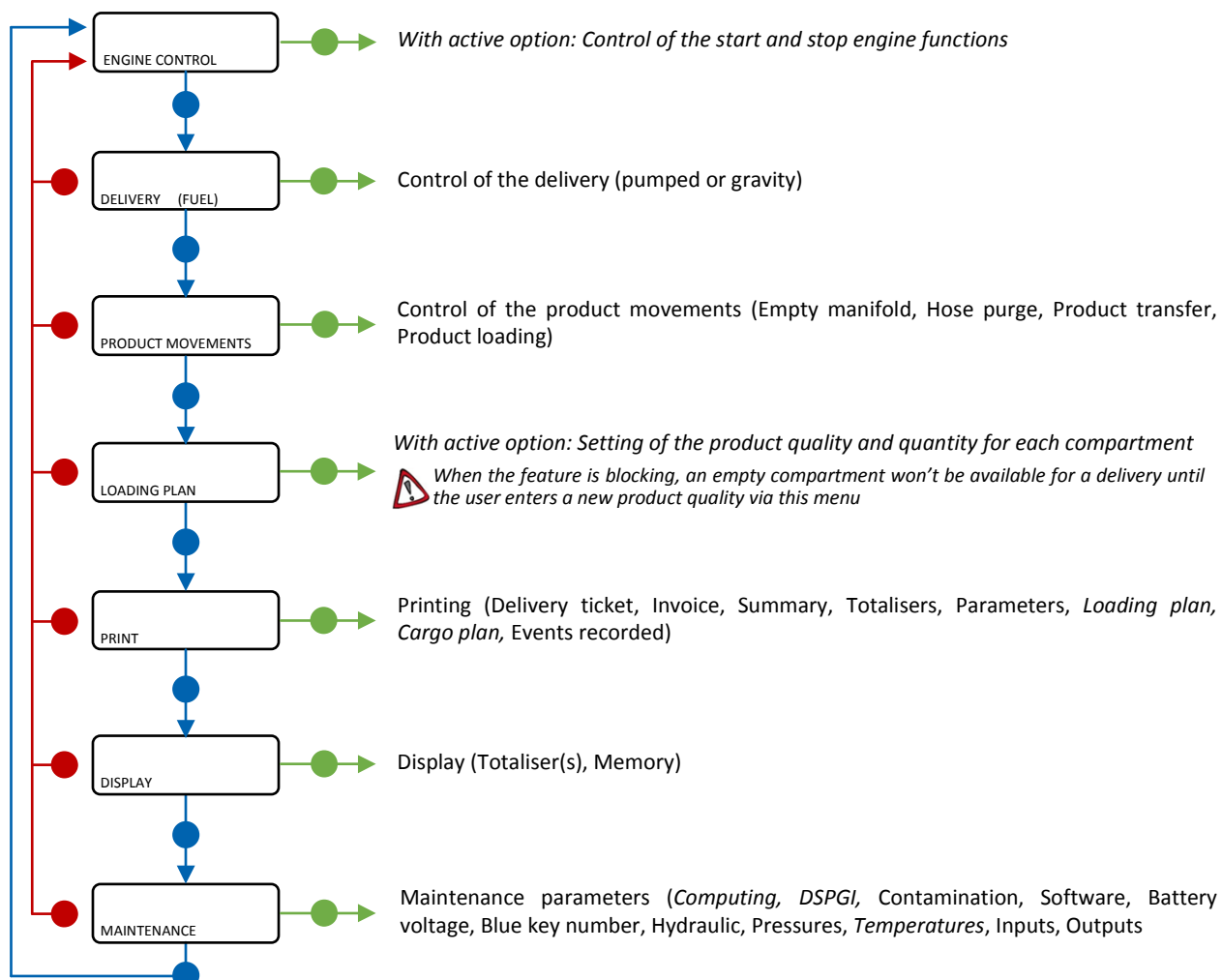
This document sketches out the main menus (please refer to operating manual MU 7071 EN for further information)

USING THE BUTTONS OF THE MICROCOMPT+

- - Come back to the previous step
- - Increment the blinking Digit

- - Choose the menu options
- - Select the next digit
- - Display the delivery information

- - Validate the menu option
- - Validate the data
- - Validate the default



	Left-hand LED: Bluetooth or Wi-Fi		Middle LED: GSM / GPS		Right-hand LED: NFC (RFID)	
Steady light	Bluetooth	Connection OK		Waiting for internet connection		
	Wi-Fi			Internet connection OK		
		Waiting for initialization		Waiting for initialization		
Flashing light	Bluetooth	Slow flashing: Waiting for connection	every 2 seconds	GPS OK		Authentication of the RFID key OK
	Wi-Fi	Rapid flashing: Communication in progress		Transfer in progress		RFID key not accepted, but authentication is ok
			every 2 seconds	Coordinates not found		
		Initialization error		Initialization error		Authentication error of the RFID key

RUN A PUMPED DELIVERY

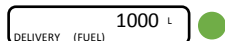
1. POWER UP AND START THE ENGINE

Power up (battery isolation switch)



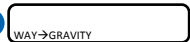
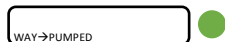
● Back to DELIVERY menu

2. PREPARE THE PUMPED DELIVERY

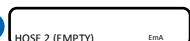
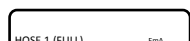


▲ SELECT THE PUMPED DELIVERY ⚠ With active option

✎ Make sure the manual valve is correctly positioned



▲ SELECT THE DISTRIBUTION OUTLET ⚠ With active option



Validate with ●

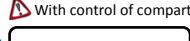
▲ CHOOSE THE PRODUCT



⚠ If the product chosen is different from the product contained in the hose, validate the contamination

Validate with ●

▲ SELECT THE DISTRIBUTION MODE



END→FULL EmA

END→EMPTY EmA

Validate with ●

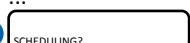
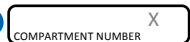
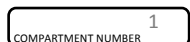
⚠ With control of compartment flaps

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

▲ SET THE VOLUME ⚠ With mode PRESET or PRESET+PURGE



▲ CHOOSE THE COMPARTMENT ⚠ With active option



Validate with ●

See § ENTRY MODES

* With the distribution mode PRESET+PURGE: after the scheduling, choose the compartment for the purge and the hose for the next delivery.

▲ ENGAGE THE PUMP ⚠ With active option



3. CARRY OUT THE DELIVERY

▲ START THE DELIVERY

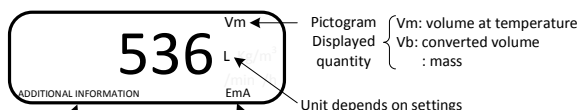


High flowrate

Low flowrate

Validate with ●

Display during the delivery:



Distribution mode / Product / Compartment

Measuring system

Interruption of the delivery

If the delivery is interrupted, inappropriate manipulation of the push buttons can open the DISPLAY menu (totalizers, memory). In this case, simply press the red push button to return to DISPLAY and then the blue push button to return to DELIVERY STOP. Validate by pressing the green push button to select the next step (§4 or 5).

► THE COMPARTMENT IS EMPTY



● Choose another compartment

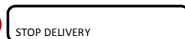
● Start the delivery (§3)

► APPEARANCE OF A FAULT AND DISPLAY OF AN ALARM



● Continue/suspend (§4) or end (§5) the delivery

► INTENTIONAL INTERRUPTION OF THE DELIVERY



● Continue/suspend (§4) or end (§5) the delivery

Display the delivery information

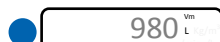


⚠ With active option

Back to normal display is automatic: DO NOT PRESS RED STOP BUTTON TO KEEP FROM INTERRUPTING DELIVERY.

4. CONTINUE OR SUSPEND THE DELIVERY

▲ CONTINUE THE DELIVERY



● Start the delivery §3

▲ SUSPEND THE DELIVERY TO MOVE THE VEHICLE



● Choose the compartment ⚠ With active option

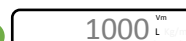
● Engage the pump

● Start the delivery §3

After vehicle moving

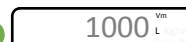
5. END THE DELIVERY

▲ END WITH PURGE ⚠ With PRESET+PURGE mode



Delivery §4

▲ END THE DELIVERY



● Move the vehicle §4

● Continue the delivery §4

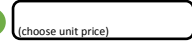
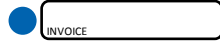
▲ REMOVE THE PUMP ⚠ With active option



6. STOP THE ENGINE



7. PRINT THE DELIVERY DOCUMENTS



Printing of the invoice

● Back to main menu

MEANING OF SYMBOLS

▲ Mandatory action

▲ Optional action

► Event during delivery

✎ Action by operator

RUN A GRAVITY DELIVERY

1. PREPARE THE OPERATION

DELIVERY 1000 L

▲ SELECT THE GRAVITY DELIVERY

✎ Make sure the manual valve is correctly positioned

WAY→PUMPED

WAY→GRAVITY

▲ CHOOSE THE COMPARTMENT With active option

COMPARTMENT NUMBER 1

COMPARTMENT NUMBER X

...

END DELIVERY?

Validate with

Choose this menu when all the operations of a same delivery have been carried out (§4)

▲ CHOOSE THE PRODUCT

PRODUCT→FUEL

PRODUCT→DIESEL

Validate with

▲ SELECT THE DISTRIBUTION MODE

MODE→PRESET EmA

END→FULL EmA

END→EMPTY EmA

MODE→FREE EmA

Validate with

▲ SET THE VOLUME With PRESET MODE

00000 L
ENTER PRESET VOLUME EmA

2. CARRY OUT THE OPERATION

▲ START THE OPERATION

CX/GO /START EmA 300 L

FILLING EmA 0 L

Display during the delivery:

536 L
Pictogram
Displayed quantity
Vm: volume at temperature
Vb: converted volume
: mass
Unit depends on settings

Compartment / Product / Distribution mode

Measuring system

Interruption of the delivery

► APPEARANCE OF A FAULT AND DISPLAY OF AN ALARM

(see list of alarms)

Continue or stop the operation (§3)

► INTENTIONAL INTERRUPTION OF THE DELIVERY

STOP OPERATION

Continue or stop the operation (§3)

Display the information

INSTANTENEOUS FLOW 59,3 m³/h
LIQUID HEIGHT 00749 mm
INSTANT. TEMPERATURE +12.3 °C
Change flowrate (HF/LF)
Unit depends on settings
With active option

Back to normal display is automatic: DO NOT PRESS RED STOP BUTTON TO KEEP FROM INTERRUPTING DELIVERY.

3. CONTINUE OR STOP THE OPERATION

▲ CONTINUE THE OPERATION

980 L
CONTINUE OPERATION EmA

Start operation §2

▲ END THE OPERATION

980 L
END OPERATION EmA
980 L
DRAINING EmA
980 L
DRAINING FINISHED EmA
With PRESET MODE, END→ EMPTY

Back to compartment selection §1

5. END THE DELIVERY

▲ END THE DELIVERY

0 L
CX / GO EmA
Press repeatedly until the message END DELIVERY is displayed

END DELIVERY? EmA
DELIVERY TICKET EmA
Cancel printing
Validate printing

7. PRINT THE DELIVERY DOCUMENTS

PRINT EmA
PRINTING FINISHED EmA
INVOICE EmA
(choose taxes) EmA
(choose unit price) EmA
(set the unit price) EmA

Printing of the invoice

Back to main menu

LIST OF ALARMS

		DISPLAY	MEANING	ACTION
USER	COMMON	DELIVERY STOP	Intentional interruption of the discharge	Continue, stop or finish delivery or product return
		EMERGENCY SHUTDOWN	Emergency stop triggered by remote control	Continue, stop or finish delivery or product return
		EC COMM.DEFAULT	Communication problem with the embedded computing	Try again and switch to degraded mode if the problem persists. COMPUTING→WITHOUT EC (DEGRADE)
		PRINTER DEFAULT	Communication with the printer lost	Make sure the connections are ok: cable, on-off switch and fuse
		The ticket is jammed	Jammed paper in the printer	Use the RELEASE button to eject the paper
		POWER SUPPLY PROBLEM	Power outage during operation	Check the cause / Restore power supply
		PTO DEFAULT	Inconsistency PTO return / run command	Check the power take-off status in the driver's cab
		DSPGI DEFAULT	Communication problem with the DSPGI	Make sure the DSPGI device is in operation
		INCOHERENCE WAY C/NC	Inconsistent choice for Pumped Counted/Pumped Not Counted circuit	Make sure the manual selection valves are well-positioned
		OVERFILL DEFAULT	Overfill detected on a compartment	Transfer the product in another compartment
		PURGE NOT FINISHED	The purge sequence is not finished	Finish the purge of the manifold (and/or hose)
		FLOW PUMP DEFAULT	No flow after switching on the pump	If necessary, adjust the timer parameter
		ADDITIVATION FAULT	Problem with the additive system (cannot be managed properly)	Check the additive system
		ADDITIVE Y LOW LEVEL	(Y=1 or 2) Low level of the additive tank	Fill the additive tank
		ADDITIVE Y CONTROL	(Y=1 or 2) Non-guaranteed injection of the additive rate	Check the hydraulic system
		OVERFILL CLIENT DEF.	Overfill detected on the customer tank	End delivery
		EMA LOW FLOW DEFAULT	Flow<Qmin consecutively during 0,2*MMQ	Check the parameters and the hydraulic system (valve, strainer, nozzle...)
		EMA HIGH FLOW DEFAULT	Flow>Qmax consecutively during 3 sec	Check the parameters / Reduce flowrate
REPARATOR	EMA	EMA METERING PROBLEM	Inconsistency of metering channels	Make sure the pulse emitter indicators are blinking and the wiring is well done / Change the pulse emitter if required
		EMA PULSES PROBLEM	Problem with the metering pulses	Make sure the pulse emitter indicators are blinking and the wiring is well done / Change the pulse emitter if required
		EMA TEMPER. DEFAULT	Temperature determination failure T<Tmin or T>Tmax	If steady alarm, see a reparator for trouble shooting
		EMA K-FACTOR DEFAULT	Deviation between coefficients K1 and K2 greater than 0.5%	Change the low-flow coefficient (K1)
		EMA TOTALISER LOST	Totalisers integrity problem	Substitution of the backup battery
		EMA PRESSURE DEFAULT	Pressure sensor out of range 4/20 mA	If steady alarm, see a reparator for trouble shooting
		EMA DG-3001 DEFAULT	Problem with the gas detector	Use the maintenance menu to do a check of the detector status
		EMA CONVER. DEFAULT	Problem during volume conversion	Make sure the set density is consistent
		LEAK DETECTED	Metering detection without measurement	Make sure the check valve is tight
	COMMON	GAZ DETECTED	Detection of air during high flow delivery	See a reparator for troubleshooting
		DISPLAY DEFAULT	Integrity problem between the display and the display RAM proofreading	If steady alarm, substitution of the display card
		WATCHDOG DEFAULT	Triggering the watchdog function	Switch on-off the MICROCOMPT+ If steady alarm, substitution of the faulty card If steady alarm, substitution of the faulty card
		DATE AND TIME LOST	Problem with the clock	Set date and time
		DIARY DEFAULT	The events diary is lost	Acknowledge the alarm, make sure the date is ok If steady alarm, substitution of the backup battery
		MEMORY LOST	The measurements diary is lost	Acknowledge the alarm (enter then exit the metrological mode) If steady alarm, substitution of the backup battery Acknowledge the alarm (enter then exit the metrological mode) If steady alarm, substitution of the backup battery
		MEMORY OVER LOADED	Measurement storage area saturated (too many registrations over 90 days)	Acknowledge the alarm (enter then exit the metrological mode) If steady alarm, substitution of the backup battery
		BOOT LOADER DEFAULT	Inconsistency between the app and the version of the boot loader	Match the application software with the boot loader
		PARAMETER LOST	No more integrity of a secured memory area (SUPERVISOR parameters, preset end coeff...)	Acknowledge the alarm If steady alarm, substitution of the backup battery
		EEPROM MEMORY FAIL	Loss of metrological parameters	Substitution of the AFSEC+ electronic card
		SAVE MEMORY DEFAULT	Integrity problem with memorized data	Substitution of the AFSEC+ electronic card
		FRAME WORK DEFAULT	Integrity problem with software	Substitution of the AFSEC+ electronic card