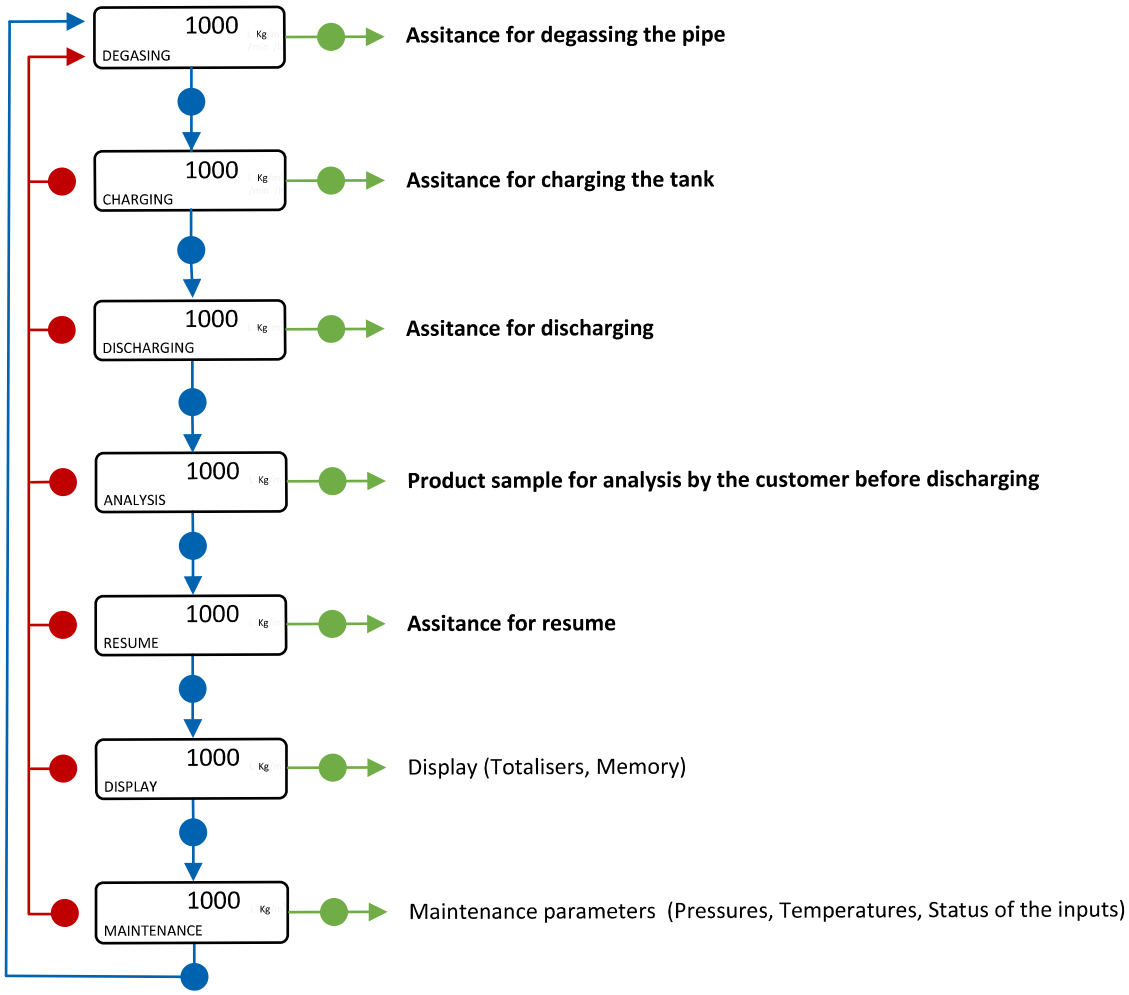
This document sketches out the main menus (please refer to operating manual MU 7092 EN for further information)

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 / Wi-Fi	Connection OK		Waiting for internet connection		
				Internet connection OK		
		Waiting for initialization		Waiting for initialization		
Flashing light	Bluetooth / Wi-Fi	Slow flashing: Waiting for connection	every 2 seconds	GPS OK		Authentication of the RFID key OK
	Bluetooth / 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

GU 7092 FR B - 4050v0.1.x / FORM DOC 124 B

CHARGING

1. CARRY OUT THE OPERATION

Connect the hoses

PRESSURE CHARGING

Open V19 and V8 to put the pipe under pressure. Then close V19 and V8. Open V3 and V5

OPEN PV1 ?

CLOSE PV1 ?

OPEN PV3 ?

OPEN PV3 ?

CLOSE PV3 ?

OPEN PV1 ?

Condition for charging: PV1 and PV3 open

+13.9
CHARGING (PT3)

CLOSE PV1 ?

CLOSE PV3 ?

CLOSE PV3 ?

OPEN PV1 ?

CLOSE PV3 ?

CLOSE PV1 ?

OPEN PV3 ?

Condition to end operation: PV1 and PV3 closed

Interruption of the operation

▶ APPEARANCE OF A FAULT AND DISPLAY OF AN ALARM

(see list of alarms)

Continue (§2) or end (§3) the operation

▶ INTENTIONAL INTERRUPTION OF THE OPERATION

ARRET OPERATION

Continue (§2) or end (§3) the operation

Display the delivery information

During an operation, the information that follow are available. Values are displayed 10 seconds

+13.9
PRESSURE LIQUID

+13.9
GAS RETURN (RG3)

+13.9
CHARGING (RL4)

With active option

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

2. CONTINUE THE OPERATION

CONTINUE OPERATION

Start the operation

3. END THE OPERATION

END OPERATION

Continue the operation (§2)

4. COMPLETE THE OPERATION

CLOSE VALVES ?

Open V19 then V10 and V15 to drain the pipe

PRESSURE PUMP

PRESSURE LIQUID

PRESSURE HOSE

OPERATION FINISHED

Close again all the valves and disconnect the hose(s)

Back to main menu

MEANING OF SYMBOLS

- Mandatory action
- Optional action
- ▶ Event during delivery
- Action by operator

ANALYSIS

1. CARRY OUT THE OPERATION

Connect the analysis device(s)

PRESSURE ANALYSIS

Open V19 and V18 to put the pipe under pressure. Then close V19

OPEN PV1 ? ● ANALYSIS (PT3)

Open V16 for liquid sample or V17 for gas sample. Close the valve

CLOSE PV1 ? ●

Interruption of the operation

▶ APPEARANCE OF A FAULT AND DISPLAY OF AN ALARM

(see list of alarms)

● Continue (§2) or end (§3) the operation

▶ INTENTIONAL INTERRUPTION OF THE OPERATION

● ARRET OPERATION

● Continue (§2) or end (§3) the operation

Display the delivery information

During an operation, the information that follow are available. Values are displayed 10 seconds

● PRESSURE LIQUID

● CHARGING (RL4) ⚠ With active option

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

2. CONTINUE THE OPERATION

CONTINUE OPERATION

● Start the operation

3. END THE OPERATION

END OPERATION ● OPERATION FINISHED ●

● Continue the operation (§2)

4. COMPLETE THE OPERATION

CLOSE VANNES ? ●

Open V18 and V17 (or V16) to drain the pipe

PRESSURE PUMP

PRESSURE LIQUID

PRESSURE HOSE

OPERATION FINISHED ●

Close again all the valves and disconnect the hose(s)

Back to main menu

DEGASSING

1. CARRY OUT THE OPERATION

Connect the hose(s)

PRESSION RETOUR GAZ

Open V5 to put the pipe under pressure

OPEN PV3 ? ● DEGASSING (PT4)

CLOSE PV3 ? ●

2. COMPLETE THE OPERATION

CLOSE VANNES ? ●

Close V5

PRESSURE PUMP

PRESSURE LIQUID

PRESSURE HOSE

OPERATION FINISHED ●

Close again the valves and disconnect the hose(s)

Back to main menu

MEANING OF SYMBOLS

- ▲ Mandatory action
- ▲ Optional action
- ▶ Event during delivery
- Action by operator

DISCHARGING

1. PREPARE THE OPERATION

Supply the variator

Connect the hose(s)

SINGLE HOSE / DOUBLE HOSE — Validate with

PRESSURIZE PUMP

Open V1

Open V2 at 1/3 of its capacity

Open V7 to put the pipe under pressure. Then close it back

OPEN PV2 ? — PRESURE LIQUID

OPEN PV1 ?

Start pump cooling

PUMP COOLING

Control pump cooling

PRESSURIZE HOSEE

Open V9 then close it back

Open V5 with double hose

2. CARRY OUT THE OPERATION

▲START THE OPERATION

START DISCHARGING — START PUMP? — PRIMING

Open V4 while closing V2

DISCHARGING

Interruption of the operation

► APPEARANCE OF A FAULT AND DISPLAY OF AN ALARM

(see list of alarms)

Continue (§3) or end (§4) the operation

► INTENTIONAL INTERRUPTION OF THE OPERATION

ARRET OPERATION

Continue (§3) or end (§4) the operation

Display the delivery information

During an operation, the information that follow are available. Values are displayed 10 seconds

PUMP SUCCION

PUMP OUTLET

PRESSURE LIQUID

GAS RETURN (RG3)

CHARGING (RL4) — With active option

DISCHARGING (RL1) — With active option

METER TEMPERATURE

PUMP TEMPERATURE

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

3. CONTINUE THE OPERATION

280 kg — CONTINUE OPERATION

Start the operation (§2)

4. END THE OPERATION

999 kg — END OPERATION — 999 kg — OPERATION FINISHED

Continue the operation (§3)

5. COMPLETE THE OPERATION

CLOSE VALVES ?

Open V2, V4 and V7 then V11 (and V15) to drain the pipe(s)

PRESSURE PUMP

PRESSURE LIQUID

PRESSURE HOSE

OPERATION FINISHED

Close again the valves and disconnect the hose(s)

Back to main menu

MEANING OF SYMBOLS

▲ Mandatory action

▲ Optional action

► Event during delivery

Action by operator

RESUME

1. PREPARE THE OPERATION

Supply the variator

Connect the hose(s)

SINGLE HOSE

DOUBLE HOSE

Validate with

PRESSURIZE PUMP

Open V2

Open V1

Open V19 to put the pipe under pressure. Then close it back

OPEN PV2 ?

Open V5 with double hose

OPEN PV3 ?

Open V8 then close it back

PRESSURE CHARGING

Open V3

Start pump cooling

PUMP COOLING

Control pump cooling

2. CARRY OUT THE OPERATION

▲START THE OPERATION

START RESUME?

START PUMP?

PRIMING

RESUME

Interruption of the operation

▶ APPEARANCE OF A FAULT AND DISPLAY OF AN ALARM

(see list of alarms)

Continue (§3) or end (§4) the operation

▶ INTENTIONAL INTERRUPTION OF THE OPERATION

ARRET OPERATION

Continue (§3) or end (§4) the operation

Display the delivery information

During an operation, the information that follow are available. Values are displayed 10 seconds

PUMP SUCCION

PUMP OUTLET

PRESSURE LIQUID

GAS RETURN (RG3)

CHARGING (RL4) — With active option

DISCHARGING (RL1) — With active option

METER TEMPERATURE

PUMP TEMPERATURE

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

3. CONTINUE THE OPERATION

280 kg

CONTINUE OPERATION

Start the operation (§2)

4. END THE OPERATION

999 kg

END OPERATION

999 kg

OPERATION FINISHED

Continue the operation (§3)

5. COMPLETE THE OPERATION

CLOSE VALVES ?

Open V3 and V5 then V10 and V15 to drain the pipe

PRESSURE PUMP

PRESSURE LIQUID

PRESSURE HOSE

OPERATION FINISHED

Close again the valves and disconnect the hose(s)

Back to main menu

MEANING OF SYMBOLS

▲ Mandatory action

▲ Optional action

▶ Event during delivery

Action by operator

GU 7092 FR B - 4050v0.1.x / FORM DOC 124 B

LIST OF ALARMS

		DISPLAY	MEANING	ACTION
USER		STOP OPERATION	Intentional interruption of the operation	Continue or end the operation
		POWER SUPPLY PROBLEM	Power outage during the operation	Check the cause
		LOW FLOW FAULT	Low flowrate (lower than minimal flowrate)	Check the hydraulic system
		HIGH FLOW FAULT	High flowrate (greater than maximal flowrate)	Reduce flowrate
		EM METERING PROBLEM	Metering problem with the measuring device	Check if the pulse transmitter is powered (red indicators)
		DIARY FAULT	Reset of the events diary	Acknowledge the alarm, check the date in supervisor mode (RFID key)
		DISPLAY FAULT	Problem with display card	If steady alarm, substitution of the display card
		WATCHDOG FAULT	Fault with display or power card or AFSEC+ card	If steady alarm, substitution of the faulty card
REPARATOR		TOTALISER LOST	Loss of totaliser	Substitution of the backup battery
		PRODUCT TEMP FAULT	Incorrect product temperature measurement	If steady alarm, see a reparator for trouble shooting
		PUMP TEMP FAULT	Incorrect pump temperature measurement	If steady alarm, see a reparator for trouble shooting
		CAVITATION FAULT	Incorrect pump Delta-P	Check the circuit pressure, 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	Substitution of the backup battery
	BLOCKING	DATE AND TIME LOST	Loss of date and time	Set date and time in supervisor mode (RFID key)
		COEFFICIENTS FAULT	Deviation between coefficient LF/HF	Modification of the low flow coefficient (K1)
		PROM FAULT	When updating the app	No required action
			Loss of software or resident integrity	Substitution of the AFSEC+ electronic card
		RAM FAULT	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	The oldest recording is older than 3 months
		PT1 FAULT	Problem with pressure transmitter PT1	Make sure PT1 is operational
		PT2 FAULT	Problem with pressure transmitter PT2	Make sure PT2 is operational
		PT3 FAULT	Problem with pressure transmitter PT3	Make sure PT3 is operational
		PT4 FAULT	Problem with pressure transmitter PT4	Make sure PT4 is operational