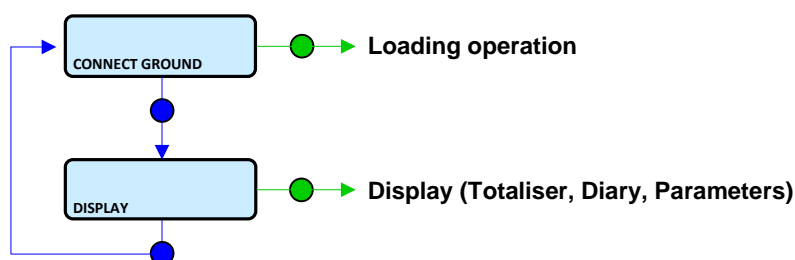


	OPERATING GUIDE BLENDING MICROCOMPT+ FOR TOP LOADING	GU 7036_4 EN B www.alma-alma.fr
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This document sketches out the main menus (please refer to operating manual MU 7036 EN for further information).

USING THE BUTTONS

- | | | |
|--|--|--|
| <ul style="list-style-type: none"> ● - Come back to the previous stage ● - Increment the blinking figure | <ul style="list-style-type: none"> ● - Choose the menu option ● - Access to the following figure | <ul style="list-style-type: none"> ● - Validate the displayed option ● - Validate the entry data |
|--|--|--|



NOTE: If the MICROCOMPT+ communicates with a system via µConfig, the message 'UCONFIG...' appears on the prompter

RUN A LOADING OPERATION

1. PREPARE THE LOADING OPERATION



▲ CONNECT THE GROUND

✎ Connect the ground



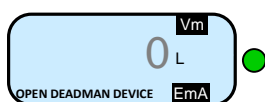
▲ MOVE THE LOADING ARM

✎ Move the arm (right or left)



▲ LOWER THE LOADING ARM

✎ Lower the loading arm

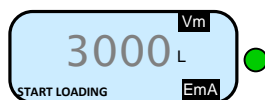


▲ OPEN THE DEADMAN DEVICE

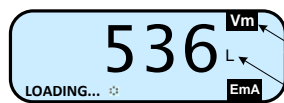
✎ Open the deadman device

2. CARRY OUT THE LOADING OPERATION

▲ START LOADING OPERATION



Display during the loading operation:



Volume { Vm: volume at temperature
Indication Vb: converted volume (usually at 15°C)

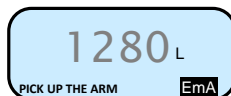
The volume unit is set in
metrological mode (L, m3, Kg)

Default text
(depending on option: product name...)

Measuring system
identifier { EmA: principal measuring system
EmB: secondary measuring system

The loading operation may be interrupted by several situations:

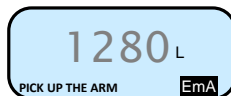
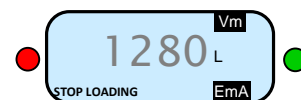
► APPEARANCE OF A FAULT AND DISPLAY OF AN ALARM



✎ Pick up the arm

Continue or stop the loading operation (§3 or §4)

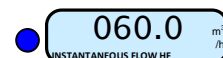
► INTENTIONAL INTERRUPTION OF THE LOADING OPERATION



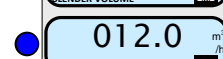
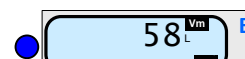
✎ Pick up the arm

Continue or stop the loading operation (§3 or §4)

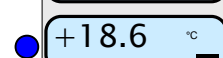
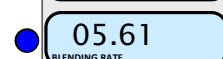
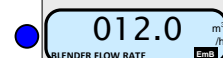
▲ DISPLAY LOADING INFORMATION



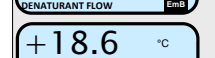
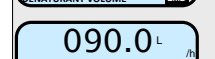
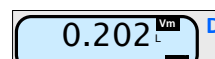
▲ with active option



Downstream blending

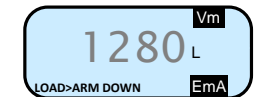
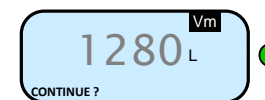


With active option



With active option

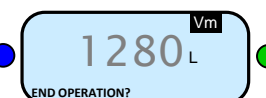
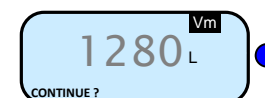
3. CONTINUE THE LOADING OPERATION



✎ Lower the loading arm

Start the loading operation §2

4. END THE LOADING OPERATION



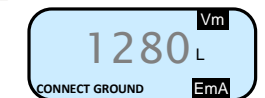
▲ PUT THE LOADING ARM ASIDE

✎ Put the loading arm aside



▲ REMOVE THE GROUND

✎ Remove the ground



Volume reset

▲ CLOSE THE DEADMAN DEVICE

✎ Close the deadman device

Back to main menu §1

MEANING OF SYMBOLS

▲ Mandatory action

▲ Optional action

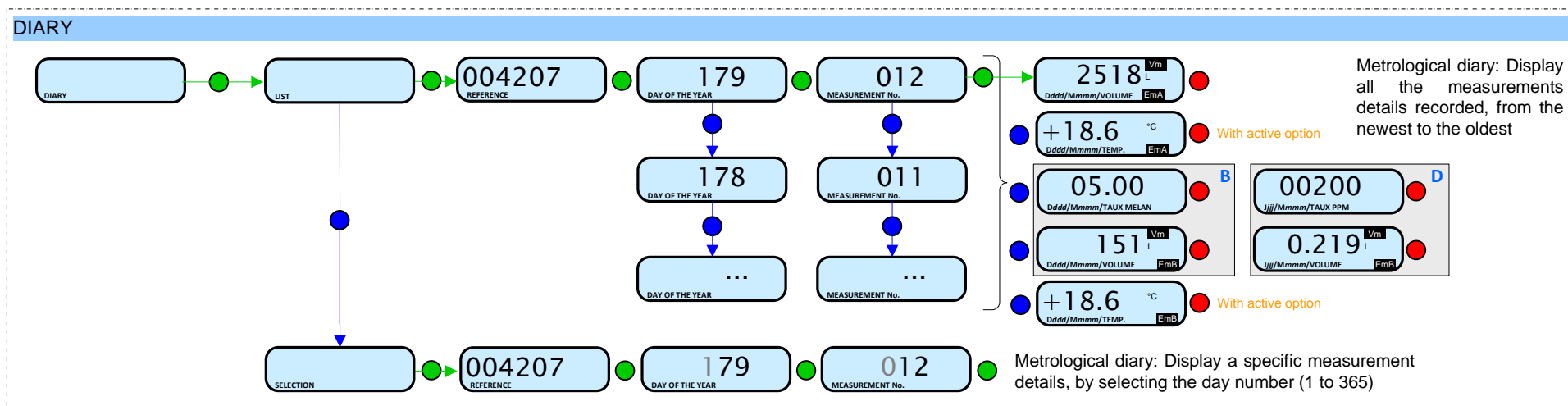
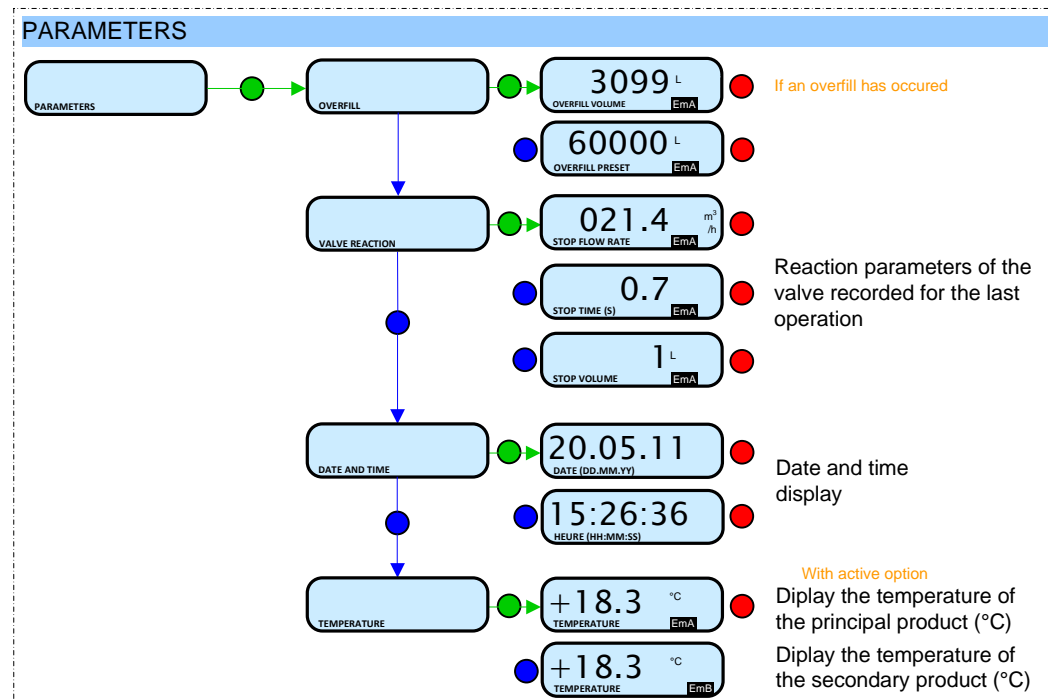
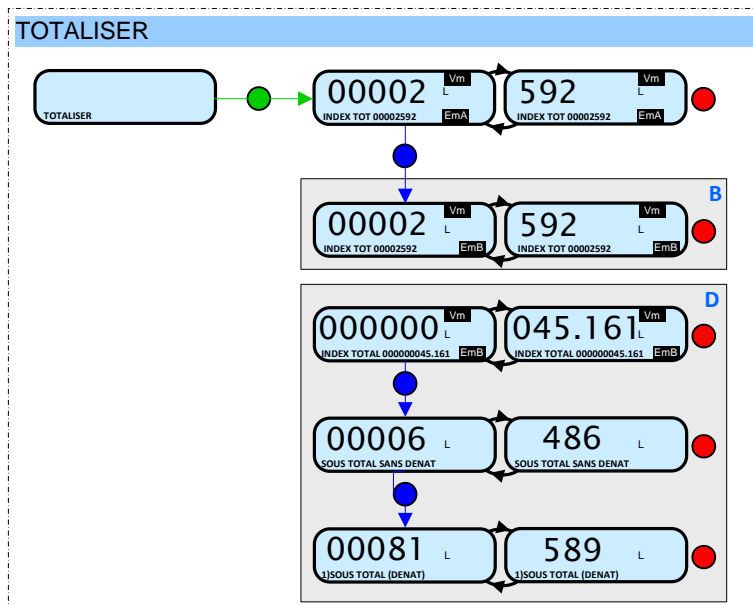
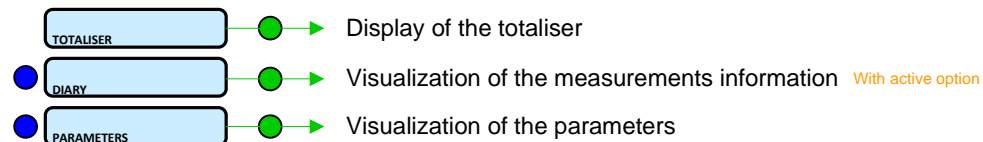
► Event during loading operation

✎ Action by operator

[B] } Spécifiques menus depending on the
[D] } measuring system: Blender / Denaturant

DISPLAY THE LOADING DATA

This menu is available in stand-by mode or during an intermediate stop of the loading operation.



LIST OF ALARMS

FORM DOC 124 A

TOP		DISPLAY	MEANING	ACTION
USER		STOP LOADING	Intentional interruption of the loading operation	Continue or stop the loading operation
		EMERGENCY STOP	Detection of an emergency stop	Check the status of the emergency stop
		COMMUNICATION FAULT	Absence of communication network	Check the status on the control device
		POWER SUPPLY PROBLEM	Power outage during discharge	Check the cause / Restore power supply
		LOW FLOW FAULT	Low flowrate (less than minimum flowrate)	Check the parameters / Check the hydraulic system (valve, strainer, nozzle...)
		HIGH FLOW FAULT	High flowrate (greater than maximum flowrate)	Check the hydraulic system (valve, pumping)
		ZERO FLOW FAULT	Zero flow principal product	Check the hydraulic system (safety valve)
		METERING PROBLEM	Metering problem with the principal measuring device	Check if the pulse transmitter is powered (red indicators)
		OVERFILL FAULT	Over-filling of the compartment	Dry out the wet probe or end measurement
		MANDATORY END	Measurement end is required	End operation
		NO MORE AUTHORISATION	No more loading authorisation	Check the reason on the control device
		GROUND FAULT	Loss of ground signal	Check the connection of the dead-man switch
		TICKET FAULT	No ticket in the local mechanical printer	Check the ticket is well-positioned
		ARM POSITION FAULT	Loading arm in high-position	Check the loading arm position
		ARM DIRECTION FAULT	Problem with the direction of the arm in low-position	Check the loading arm direction (left or right)
		DIRECTION /2 RACKS	Detection of a loading arm on both sides of the rack	Check the loading arm direction (left or right)
		DEAD MAN SWITCH	The dead man switch is not connected	Check the dead man switch
		LEAKAGE FAULT	Metering detection without measurement	Check the tightness of the loading valve
		SAMPLING FAULT	Problem with the sampler	Check the status of the sampler
		SELECTION QUALITY	No product selected	Choose a product
		GAS DETECTED	Detection of gas (principal product circuit EMA)	Make a purge (manual or automatic)
		EMB METERING PROBLEM	Metering problem with the secondary measuring device	Check if the pulse transmitter is powered (red indicators)
		EMB NO FLOWRATE	Zero flow (secondary measuring system)	Check the hydraulic system (safety valve)
		BLENDING RATE FAULT	Inappropriate blending ratio	Check the blending rate set in metrological mode
		EMB LEAKAGE FAULT	Metering detection without injection of secondary product	Check the hydraulic system of the denaturant
		BLENDER FAULT	Problem with the denaturant electronic device	Check the denaturant electronic device
		EMB UNDERFLOW	Flowrate less than the min. flowrate set in metrological mode	Check the hydraulic system (valve, strainer, nozzle...)
		EMB HIGH FLOW	Flowrate greater than the max. flowrate set in metrological mode	Check the hydraulic system (valve, pumping)
		EMB GAS FAULT	Detection of gas (secondary product circuit EMB)	Make a purge (manual or automatic)
		BLENDER GAS FAULT	Detection of gas	Make a purge (manual or automatic)
		DENATUR. TANK EMPTY	Denaturant unavailable	Fill the tank with denaturant
		NO DYEING	Dyeing null	Check the additive hydraulic system
		DYE LEAKAGE	Metering detection without injection	Check the additive hydraulic system
		DYEING <-->	Dyeing rate too low	Check the additive hydraulic system
		DYEING <+++>	Dyeing rate too high	Check the additive hydraulic system
		NO ADDITIVATION	Additivation null	Check the additive hydraulic system
		ADDITIVE LEAKAGE	Metering detection without injection	Check the additive hydraulic system
		ADDITIVATION <-->	Additivation rate too low	Check the additive hydraulic system
		ADDITIVATION <+++>	Additivation rate too high	Check the additive hydraulic system
		ADDITIVATION FAULT	Problem with the additivation electronic device	Check the additivation electronic device
		DIARY FAULT	Reset of the events diary	Acknowledge the alarm, check the date in supervisor mode
		LINE RINSING FAULT	Rinsing cycle not finished by the injector	Wait for the end of the rinsing cycle. Blocking default if the injector is for denaturant (see ANTI BLENDING configuration)
		INJECT. LEAKAGE	Metering detection on injector XX without injection	Check the additive hydraulic system
REPARATOR	NON BLOCKING	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
		VOLUME CONVER. FAULT	Problem during conversion of volume	If steady alarm, substitution of the AFSEC+ electronic card
		TOTALISER LOST	Loss of totaliser EMA	Substitution of the backup battery
		EMB TOTALISER LOST	Loss of totaliser EMB	Substitution of the backup battery
		TEMPERATURE FAULT	Temperature determination failure EMA	If steady alarm, see a reparator for trouble shooting
		EMB TEMP FAULT	Temperature determination failure EMB	If steady alarm, see a reparator for trouble shooting
		VALVE FAULT	Inappropriate reaction of the EMA control valve	If steady alarm, inspect the autorization valve
		EMB VALVE FAULT	Inappropriate reaction of the EMB control valve	If steady alarm, check the control valve
		FILTER FAULT	Filter fouling	The pressure switch and the product line must be cleaned
		ANTI-POLLUTION VALVE	Mismatch between the status awaited and the actual status of the antipollution valve	Check the status of the antipollution valve
		INJECT CONFIG FAULT	Disparity between metrological parameters values	Remove the disparity
		DYEING CONFIG FAULT	Disparity between metrological parameters values	Remove the disparity
	BLOCKING	PRINTER FAULT <->	Problem with the IT2 mechanical printer	If steady alarm, inspect the printer
		PRINTER FAULT <+>	Problem with the IT2 mechanical printer	If steady alarm, inspect the printer
		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
		COEFFICIENTS FAULT	Deviation between coefficient LF/HF greater than 0.5%	Modification of the low flow coefficient (K1)
		PROM FAULT	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	Loading diary is full	Substitution of the AFSEC+ electronic card
		DATE AND TIME LOST	Loss of date and time	Set date and time in supervisor mode (supervisor key)
		POWER BOARD FAULT	Disparity between the software and the version of the power supply board	Remove the disparity
		GAS DETECTOR FAULT	Problem with the EMA gas detector	Check the gas detector
		EMB DETECTOR FAULT	Problem with the EMB gas detector	Check the gas detector
		VISCOSITY FAULT	Viscosity out of range	Check the curve in METROLOGICAL mode