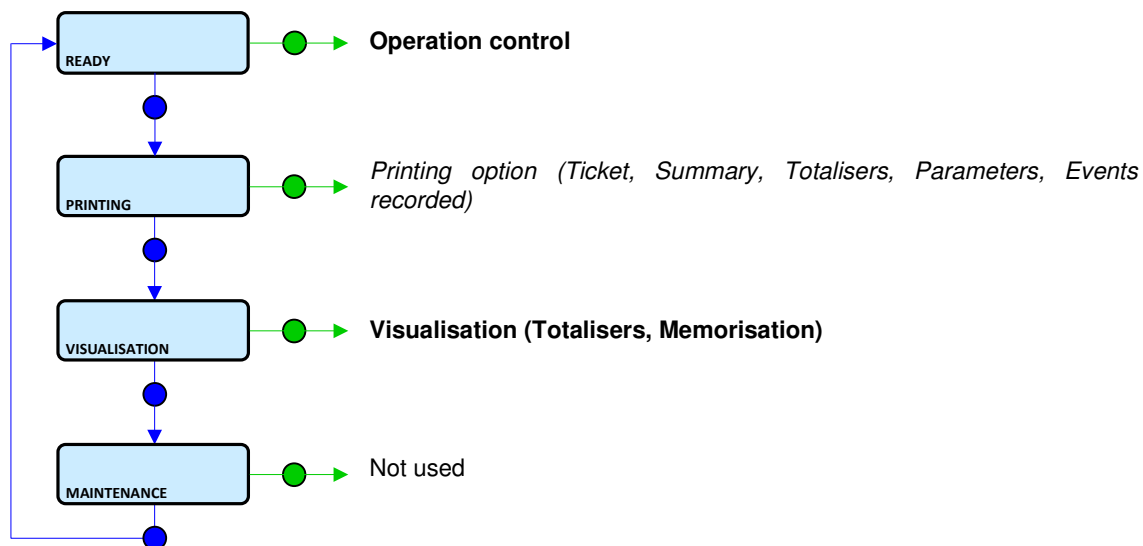
	OPERATING GUIDE FUEL METERING SYSTEM FMS OEM MTP	GU 7111 FR A www.alma.alma.fr
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This document sketches out the main menus (please refer to operating manual MU 7111 EN for further information).

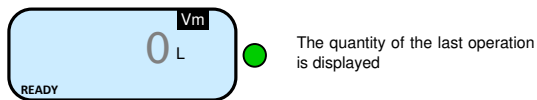
USING THE BUTTONS

- - 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

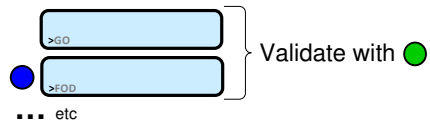


RUN AN OPERATION

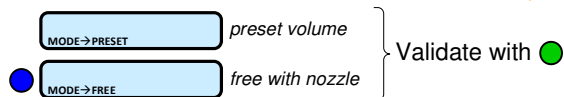
1. PREPARE THE OPERATION



▲ CHOOSE THE PRODUCT



▲ SELECT THE DISTRIBUTION MODE ▲ With active option

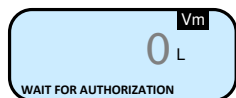


▲ ENTER PRESET VOLUME ▲ with PRESET MODE



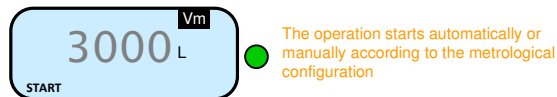
- Change the blinking figure value
- Access to the following figure
- Validate the entry data

▲ WAIT FOR AUTHORIZATION ▲ With active option

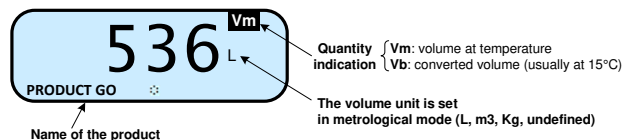


2. CARRY OUT THE OPERATION

▲ START THE OPERATION

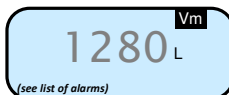


Display during the operation:



The operation may be interrupted by several situations:

▶ APPEARANCE OF A FAULT AND DISPLAY OF AN ALARM



- End or continue the operation (§3 or §4)

▶ INTENTIONAL INTERRUPTION OF THE OPERATION

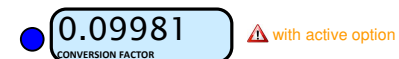
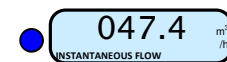


- End or continue the operation (§3 or §4)

▲ DISPLAY THE INFORMATION



▲ According to the main display



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

3. END THE OPERATION



- Print the ticket §5 ▲ With active option

Back to main menu §1

4. CONTINUE THE OPERATION

▲ NO QUANTITY MODIFICATION



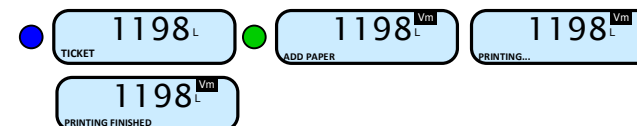
- Start loading §2

▲ QUANTITY MODIFICATION with F ▲ SET MODE



- Enter the global volume §1. ENTER PRESET VOLUME

5. PRINT TICKET



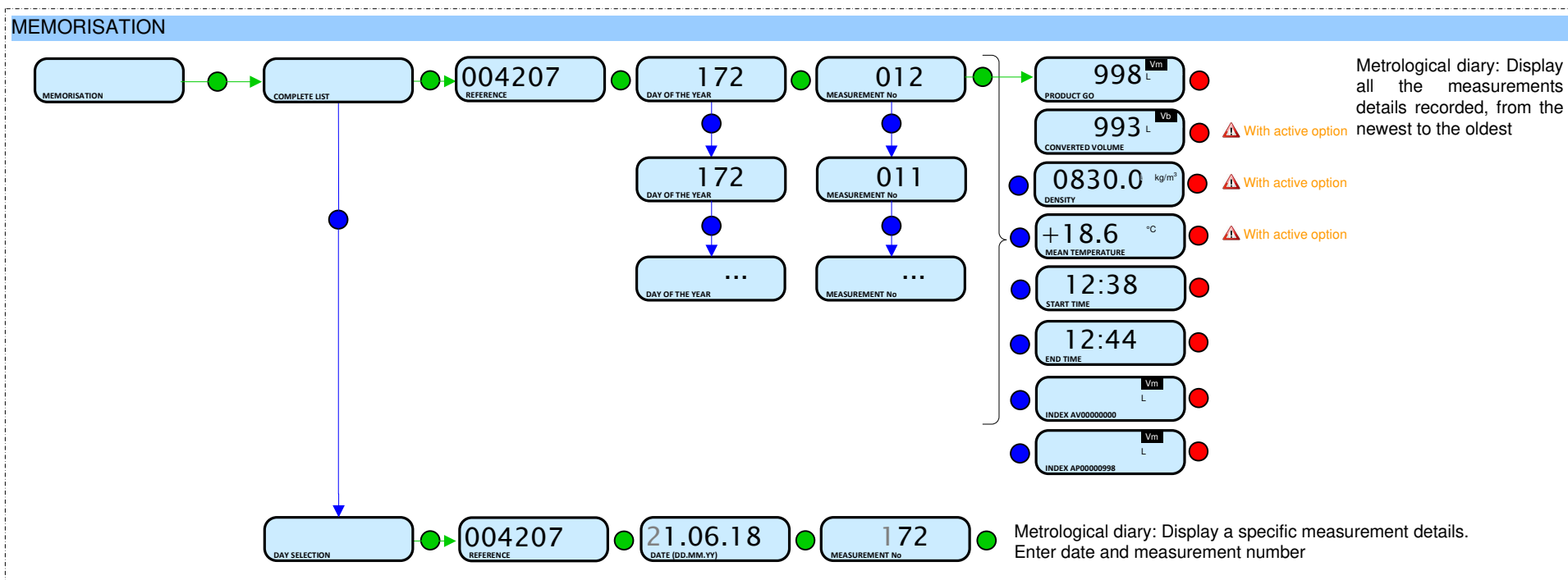
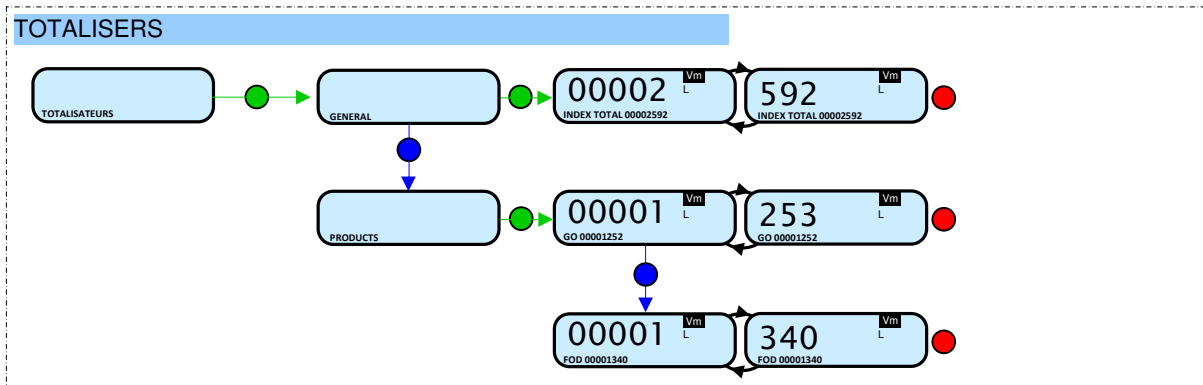
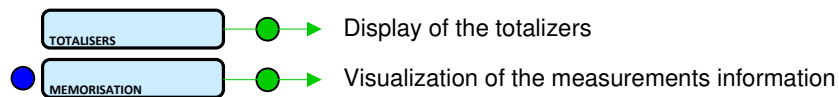
Back to main menu §1

MEANING OF SYMBOLS

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

DISPLAY THE DATA

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



LIST OF ALARMS

		DISPLAY	MEANING	ACTION
USER		STOP OPERATION	Intentional interruption of operation	Continue or finish the operation
		EMERGENCY STOP	An emergency stop is detected	Check the emergency stop
REPARATOR	NON BLOCKING	COMMUNICATION FAULT	Communication with the printer lost	Check the connection cable, on-off switch and fuse
		POWER SUPPLY PROBLEM	Power outage during operation	Check the cause / Restore power supply
		LOW FLOW FAULT	Low flowrate (less than 15m ³ /h)	Check the hydraulic system (valve, strainer, nozzle...)
		HIGH FLOW FAULT	High flowrate (greater than maximum flowrate)	Check the hydraulic system (valve, pumping...)
		ZERO FLOW DEFAULT	Zero flow	Check the hydraulic system (security valve)
		METERING PROBLEM	Metering problem with the measuring device	Check if the pulse transmitter is powered (red indicators)
	BLOCKING	AUTHORIZATION LOST	No more loading authorisation	Check the reason on the control device
		LEAKAGE FAULT	Counting outside a measurement period	Check the tightness of the loading valve
		DIARY FAULT	Reset of the events diary	Acknowledge the alarm, check the date in supervisor mode (supervisor 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
		VOLUME CONVER FAULT	Problem during conversion of volume	If steady alarm, substitution of the AFSEC+ electronic card
REPARATOR	NON BLOCKING	TOTALISER LOST	Loss of totalizer	Substitution of the backup battery
		TEMPERATURE FAULT	Temperature determination failure	If steady alarm, see a reparator for trouble shooting
		TEMPERATURE ATEX	Temperature of the pump is out of range	If steady alarm, see a reparator for trouble shooting
		MEMORY LOST (PILE)	Perte de la mémoire secourue	Remplacement de la pile de sauvegarde
		MEMORY LOST	Perte du journal métrologique	Remplacement de la pile de sauvegarde
		COEFFICIENTS FAULT	Ecart entre coefficients PD/GD supérieur à 0,5%	Modification du coefficient petit débit (K1)
	BLOCKING	PROM FAULT	Perte de l'intégrité du logiciel ou du résident	Remplacement de la carte AFSEC+
		RAM FAULT	Défaut de la mémoire secourue	Remplacement de la carte AFSEC+
		EEPROM MEMORY LOST	Perte de la configuration métrologique	Remplacement de la carte AFSEC+
		SATURATION MEMOIRE	Saturation du journal métrologique	Remplacement de la carte AFSEC+
		MEMORY OVER LOADED	Perte de la date et de l'heure	Saisir la date et l'heure en mode métrologique
		DATE AND TIME LOST	Loss of date and time	Set date and time in supervisor mode (supervisor key)
DENSITY DEFAULT	Density out of range	Check the metrological configuration		