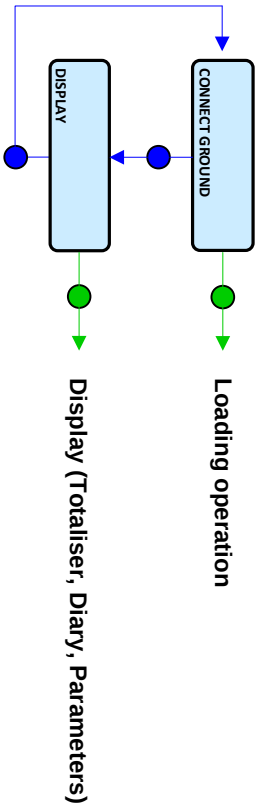


This document sketches out the main menus (please refer to operating manual MU 7036 EN for further information).

USING THE BUTTONS

-  - Come back to the previous stage
  -  - Choose the menu option
  -  - Validate the displayed option
-  - Increment the blinking figure
  -  - Access to the following figure
  -  - 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



The displayed volume is the last loaded volume

### ▲ CONNECT THE GROUND

✎ Connect the ground



### ▲ CONNECT THE API PROBE

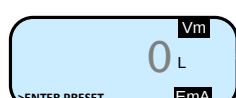
✎ Connect the API probe



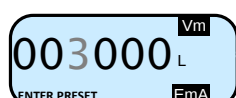
Volume reset

### ▲ CONNECT THE VAPOR ARM

✎ Connect the vapor arm

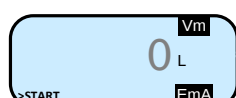


### ▲ SET THE VOLUME (with manual preset)



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

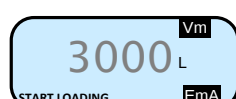
### ▲ START LOADING (with automatic preset)



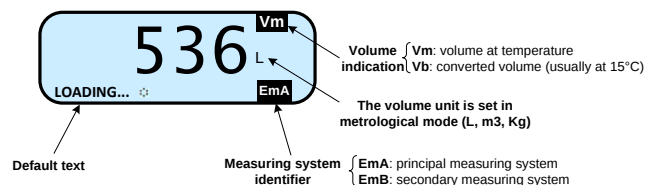
The displayed volume is the last loaded volume

## 2. CARRY OUT THE LOADING OPERATION

### ▲ START LOADING OPERATION

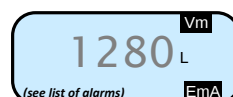


### Display during the loading operation:



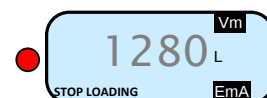
### The loading operation may be interrupted by several situations:

#### ► APPEARANCE OF A FAULT AND DISPLAY OF AN ALARM



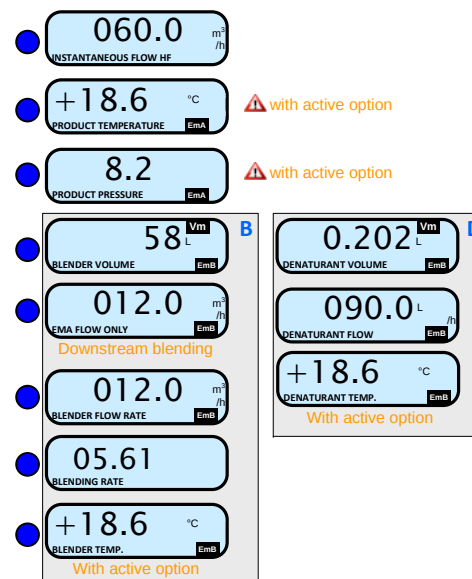
#### ● Continue or stop the loading operation (§3 or §4)

#### ► INTENTIONAL INTERRUPTION OF THE LOADING OPERATION



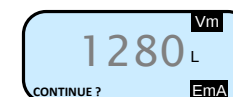
#### ● Continue or stop the loading operation (§3 or §4)

### ▲ DISPLAY LOADING INFORMATION



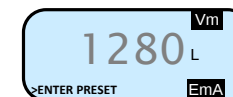
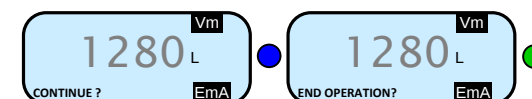
Back to normal display is automatic: DO NOT PRESS RED CLEAR BUTTON TO KEEP FROM INTERRUPTING DELIVERY.

## 3. CONTINUE THE LOADING OPERATION



### ● Start the loading operation §2

## 4. END THE LOADING OPERATION



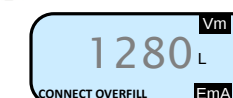
### ▲ REMOVE THE VAPOR ARM

✎ Remove the vapor arm



### ▲ REMOVE THE API PROBE

✎ Remove the API probe



### ▲ REMOVE THE GROUND

✎ Remove the ground



The displayed volume is the last loaded volume

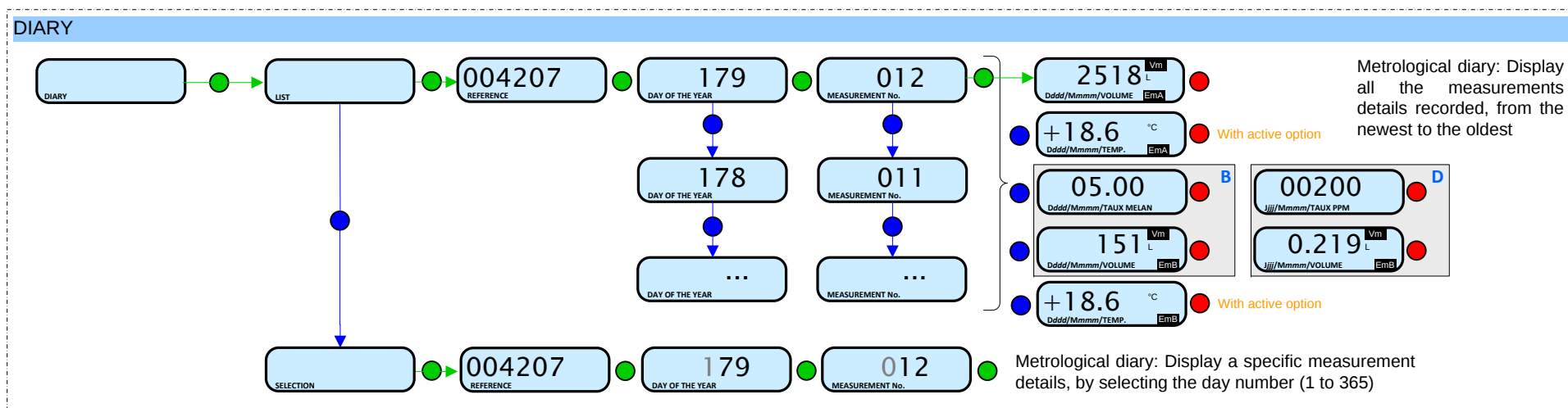
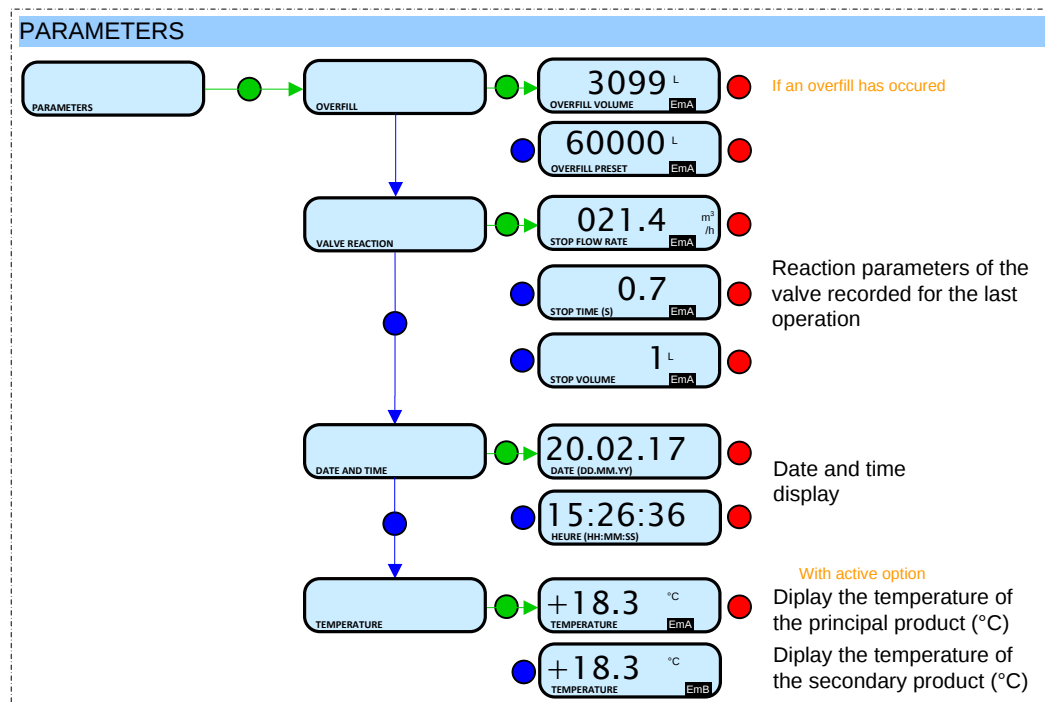
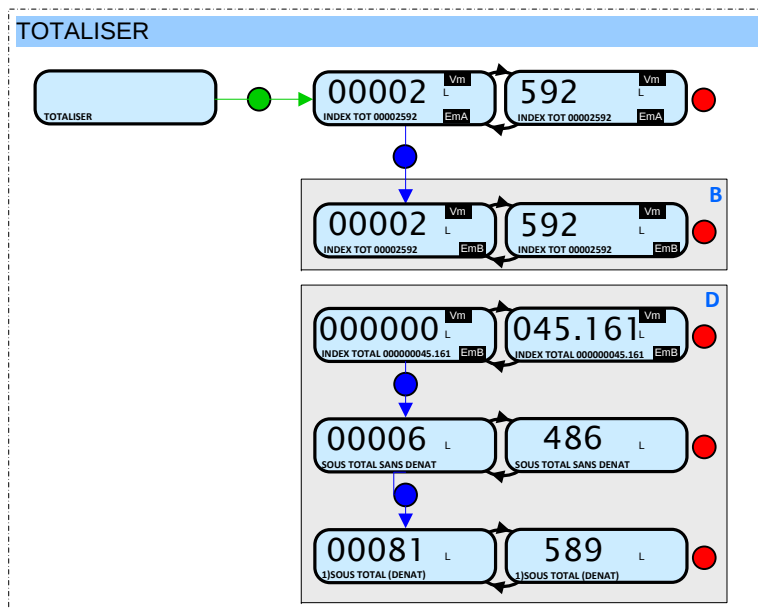
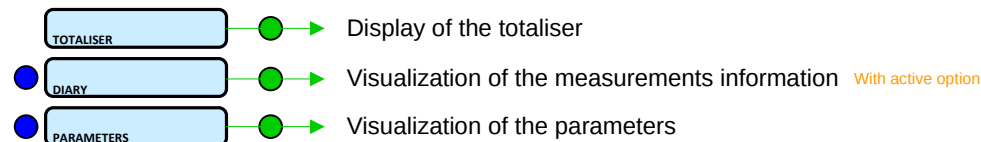
Back to main menu §1

### MEANING OF SYMBOLS

- ▲ Mandatory action
- ▲ Optional action
- Event during loading operation
- ✎ Action by operator
- [B] } Spécifiques menus depending on the measuring system: Blender / Denaturant
- [D] }

# DISPLAY THE LOADING DATA

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



# LIST OF ALARMS

| BOTTOM<br>USER | DISPLAY               | MEANING                                                          | ACTION                                                                         |
|----------------|-----------------------|------------------------------------------------------------------|--------------------------------------------------------------------------------|
|                | 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                                    |
|                | VAPOR ARM FAULT       | Loss of vapor arm signal                                         | Check the connection of the vapor arm                                          |
|                | TICKET FAULT          | No ticket in the local mechanical printer                        | Check the ticket is well-positioned                                            |
|                | DTQM FAULT            | Stop requested by the DTQM system                                | Deal with the problem on the DTQM/LR system                                    |
|                | 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                                                |
|                | QUALITY SELECTION     | No product selected                                              | Choose a product                                                               |
|                | TANK EMPTY            | Product unavailable                                              | Fill the tank with 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                                       |
|                | DOSING FAULT          | Problem with the dosing of the additive                          | Check the additivation electronic device                                       |

| BOTTOM<br>USER           | DISPLAY               | MEANING                                                                              | ACTION                                                                                                                      |
|--------------------------|-----------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
|                          | ACDA PROBLEM          | Problem with the ACDA (remote injector calculator)                                   | Check the electronic device ACDA                                                                                            |
|                          | 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                                                                                         |
|                          | DIARY FAULT           | Reset of the events diary                                                            | Acknowledge the alarm, check the date in supervisor mode                                                                    |
| 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 authorization 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                                                                                 |
|                          | MISMATCH ESDV         | Mismatch between the position feedback of the ESDV                                   | Check the metrological configuration, inspect the ESDV                                                                      |
|                          | INJECT CONFIG FAULT   | Disparity between metrological parameters values                                     | Remove the disparity                                                                                                        |
|                          | DYEING CONFIG FAULT   | Disparity between metrological parameters values                                     | Remove the disparity                                                                                                        |
| REPARATOR - BLOCKING     | 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                                                                                                      |
|                          | GAS DETECTOR HIGH     | Problem with the high-point 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                                                                                        |