ALMA	**OPERATING GUIDE** **FLEXICOMPT AUTONOME+**	GU 7033 EN H www.alma.alma.fr

This document sketches out the main menus (please refer to operating manual MU 7033 EN for further information).

USING THE BUTTONS

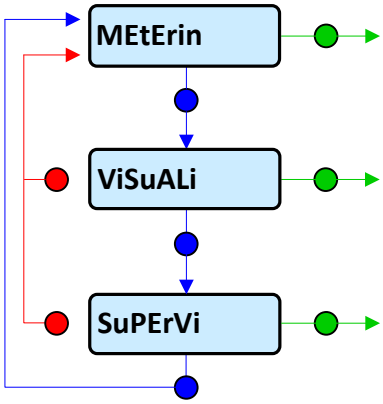
Come back to the previous stage

- Choose the menu option
- Display the delivery information

- Validate the displayed option
- Validate a fault

Light the display during 10 seconds

RAZ — Reset the volume and record the last measurement data



Unloading control

Visualization (Last measurement, Totalisers, Memorizing)

Supervisor Menu (Calibration, Season, Parameters, Maintenance, **OPTION transfer of parameters**)

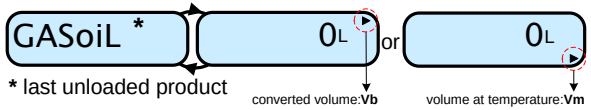
NB1: If it's used with Adblue, the FLEXICOMPT AUTONOME+ must be rinsed with water after use
NB2: Since the CTD+ key is not ATEX, this operation must be done outside potentially explosive area
NB3: Do not plug the USB cable during data transfer.

UNLOAD A PRODUCT

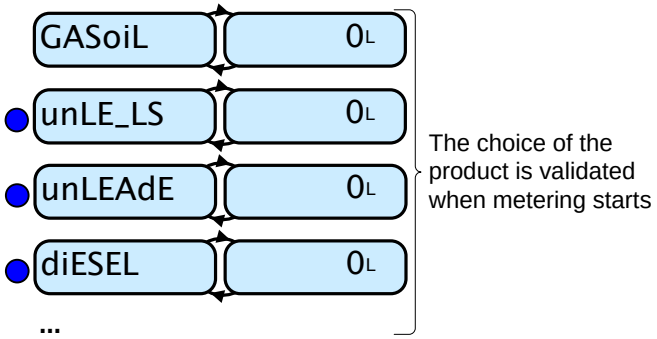
1. CONNECT THE FLEXICOMPT AUTONOME+

- Install the FLEXICOMPT AUTONOME+ on the compartment valve (respect the slope – see picture on page 1)
- Connect the hose between the FLEXICOMPT AUTONOME+ and the reception tank

2. PREPARE THE UNLOADING



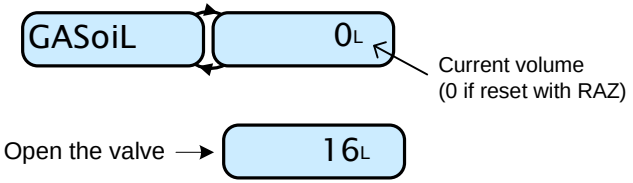
▲ CHOOSE THE PRODUCT



3. CARRY OUT THE UNLOADING

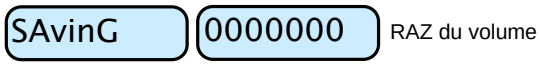
CHECK THE CHOSEN PRODUCT

▲ START THE UNLOADING

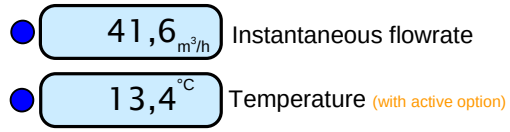


▲ RESET THE METER

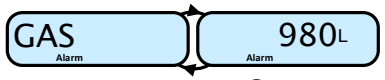
If data recording is automatic, appearance of flowrate causes a display test and resets the volume to zero.



▲ DISPLAY THE DELIVERY INFORMATION



▶ *APPEARANCE OF A FAULT AND DISPLAY OF AN ALARM*

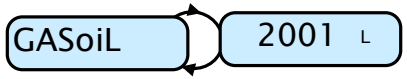


Validate the fault with ●

See list of alarms page 4

The unloading may be interrupted by several situations

▶ *THE COMPARTMENT IS EMPTY*



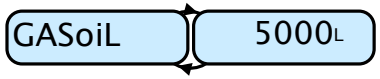
Wait the blinking display

Close the valve → *End the unloading (§4)*

→ *Continue with another compartment by moving the FLEXICOMPT AUTONOME+ (§3)*

▶ *INTENTIONAL INTERRUPTION OF THE UNLOADING*

The unloading may be interrupted at any time by closing the valve



Close the valve → *End the unloading (§4)*

→ *Continue with another compartment by moving the FLEXICOMPT AUTONOME+ (§3)*

WHAT DO YOU WANT TO DO?

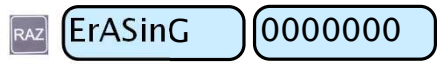
1 - Continue with another compartment with the same product **(§3)**

2 - Continue with another compartment with another product: end the unloading **(§4)** and start a new one **(§1)**

3 - End the unloading: reset the meter **(§4)**, remove the FLEXICOMPT AUTONOME+ **(§5)** and end the delivery **(§6)**

4. FINISH THE UNLOADING OF A PRODUCT

▲ RESET THE METER



5. REMOVE THE FLEXICOMPT AUTONOME+

- Disconnect the hose between the FLEXICOMPT AUTONOME+ and the reception tank
- Remove the FLEXICOMPT AUTONOME+ from the compartment valve

6. END THE DELIVERY

- Clean the filter if necessary
- If it's used with Adblue, the FLEXICOMPT AUTONOME+ must be rinsed with water after use in order to clean it and to ensure it works properly
- Put back the FLEXICOMPT AUTONOME+ in its box

MEANING OF SYMBOLS

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

DISPLAY/TRANSFER* THE DELIVERY DATA

VISUALIZATION OF THE LAST DELIVERY RESULTS - sub-menu **MEtErin**

GASoiL → 8669L

In case of a dispute, those indications provide proof

MEtErin

ViSuALi → MEtErin → GASoiL

Product name

tiME → 15h43

Vm → 499L

Volume at temperature

(with active option)

Vb → 497L

Converted volume

MASS → 412

(with active option)

tEMPErA → 19.3°C

Average temperature of the product

VM tF → 830

Density of the product (kg/m³)

VISUALIZATION OF THE TOTALISERS - sub-menu **totALiS**

GASoiL → 8669L

In case of a dispute, those indications provide proof

MEtErin

ViSuALi → MEtErin

totALiS → Vm

Display the totaliser (volume at temperature)

Vb

Display the totaliser (converted volume) *(with active option)*

VISUALIZATION OF ALL THE DELIVERY RESULTS - sub-menu **MEMoriS**

GASoiL → 8669L

In case of a dispute, those indications provide proof

MEtErin

ViSuALi → MEtErin

x2

MEMoriS → LiSt

Display all the delivery details recorded from the newest to the oldest

SELECt

Display a specific delivery details, by entering the date

The following details are displayed: date, measurement No. and time, name of product, volume at temperature (Vm), converted volume (Vb)[1], average flowrate, measured volume of gas (for information), temperature[1], density[1].

([1]*with active option*)

*OPTION KEY CTD+: TRANSFER MEASUREMENT DATA

The key must be placed on the UNI as shown below and outside potentially explosive area

GASoiL → 0000L

RAZ + ●

Transfer the parameters and the measurement results to the key

*OPTION KEY CTD+: TRANSFER MEASUREMENT DATA - sub-menu **trAnSFr**

GASoiL → 0000L

The key must be placed on the UNI as shown:

MEtErin

ViSuALi

Use the key outside potentially explosive area. Do not plug the USB cable during data transfer.

SuPErVi → CALibrA

x4

trAnSFr → ConFiG

Transfer the parameters and the measurements results to the key

nb_dAYS

Set the number of days for the transfer of the measurement results

LIST OF ALARMS

	DISPLAY	MEANING	ACTION
USER	oVErFLo	Volume greater than 4 194 304 liters	Reset the device
	LoW_FLo	Flow rate less than the setting minimal flow rate	Check the hydraulic configuration and the flowing
	SEnSor1	High gas detector fault (GDh)	Use the maintenance menu to check the status of the detector
	SEnSor2	Low gas detector fault (GDl)	Use the maintenance menu to check the status of the detector
REPARATOR	FLoV_	Flow setting fault	Check the parameters
	FrEQ_	Frequency fault	Check the parameters
	COEFF_	Difference between two coefficients is greater than 0,5%	Check the coefficients setup
	MEtEr	Problem of metering with the meter	Check the setup
	HiGH_FL	Flow rate greater than the setting maximal flowrate	Check the setup
	dAtE	Loss of date and time	Set date and time in metrological mode
	GAS	GDh is wet but GDl is dry	Check the hydraulic configuration / Check the detector status
	bobinE	Loss of pulse transmitter signal	Check the connection with the pulse transmitter
	tEMPErA	Temperature less than -20°C or greater than 50°C	Check the temperature sensor (measure and calibration)
	diSPLAY	LCD display fault	If steady alarm, substitution of the UNI
	doG	Fault with card	If steady alarm, substitution of the UNI
	ProGrAM	Error on the checksum of the metrological data	If steady alarm, substitution of the UNI
	rAM	Saved memory fault	If steady alarm, substitution of the UNI
	MEMoriS	Bad writting into the memory	If steady alarm, substitution of the UNI
	FuLL	SIM memory full	If steady alarm, substitution of the UNI
	MEtro_	Configuration loss	If steady alarm, substitution of the UNI
	bAttErY	Low battery	Substitution of the batteries
	totAL_	Totaliser fault	If steady alarm, substitution of the UNI
	dEF_MEM	Loss of backup data concerning the last measurement	If steady alarm, substitution of the UNI