

# **GRAVICOMPT MANIFOLD**

This document sketches out the main menus (please refer to operating manual MU 7038 EN for further information)



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	Left-hand LED: Bluetooth or Wi-Fi		Middle LED: GSM / GPS		Right-hand LED: NFC (RFID)	
light	Bluetooth Wi-Fi	Connection OK		Waiting for internet connection		
Steady				Internet connection OK		
	J.	Waiting for initialization	J.	Waiting for initialization		
Flashing light	Bluetooth Wi-Fi	Slow flashing: Waiting for connection	every 2 seconds	GPS OK	- J	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		
	J.	Initialization error	<i></i>	Initialization error	J.	Authentication error of the RFID key

## **RUN A DELIVERY**



Event during delivery

Action by operator

MEANING OF SYMBOLS Mandatory action

Optional action



## **DISPLAY THE DELIVERY DATA**

The DISPLAY menu is available in stand-by mode or in case of an intermediate stop



#### TOTALISER(S)

In case of a dispute, those indications provide proof



#### MEMORY

In case of a dispute, those indications provide proof



NOTE : You can go back to the previous step with the red push-button



# LIST OF ALARMS

### User alarms

		DISPLAY	MEANING	ACTION
		DELIVERY STOP	Intentional interruption of the discharge	Continue, stop or finish delivery or product return
		EMERGENCY SHUTDOWN	Emergency stop triggered by remote control	Continue, stop or finish delivery or product return
		EC COMM.DEFAULT	Communication problem with the embedded computing	Try again and switch to degraded mode if the problem persists. COMPUTING →WITHOUT EC (DEGRADE)
	NON	PRINTER DEFAULT	Communication with the printer lost	Make sure the connections are ok: cable, on-off switch and fuse
		The ticket is jammed	Jammed paper in the printer	Use the RELEASE button to eject the paper
С. Ц	Ň	POWER SUPPLY PROBLEM	Power outage during operation	Check the cause / Restore power supply
SI		INCOHERENCE WAY A/B	Inconsistent choice for EMA/EMB circuit	Make sure the manual selection valves are well-positioned
		ADDITIVATION FAULT	Problem with the additive system III(cannot be managed properly)	Check the additive system
		ADDITIVE Y LOW LEVEL	(Y=1 or 2) Low level of the additive tank	Fill the additive tank
		ADDITIVE Y CONTROL	(Y=1 or 2) Non-guaranteed injection of the additive rate	Check the hydraulic system
	ХW	EMX LOW FLOW DEFAULT	Flow <qmin 0,2*mmq<="" consecutively="" during="" td=""><td>Check the parameters and the hydraulic system<sup>2</sup>(valve, strainer, nozzle)</td></qmin>	Check the parameters and the hydraulic system <sup>2</sup> (valve, strainer, nozzle)
	ш	EMX HIGH FLOW DEFAULT	Flow>Qmax consecutively during 3 sec	Check the parameters / Reduce flowrate

### Alarms requiring the intervention of a reparator

		DISPLAY	MEANING	ACTION
REPARATOR		ZERO FLOW DEFAULT	No metering after opening the gravity valve	Make sure the pulse emitter indicators are blinking and the wiring is well done / Change the pulse emitter if required
		EMX METERING PROBLEM	Inconsistency of metering channels	Make sure the pulse emitter indicators are blinking and the wiring is well done / Change the pulse emitter if required
		EMX PULSES PROBLEM	Problem with the metering pulses	Make sure the pulse emitter indicators are blinking and the wiring is well done / Change the pulse emitter if required
		EMX TEMPER. DEFAULT	Temperature determination failure T <tmin or<br="">T&gt;Tmax</tmin>	If steady alarm, see a reparator for trouble shooting
		EMX K-FACTOR DEFAULT	Deviation between coefficients K1 and K2 greater than 0.5%	Change the low-flow coefficient (K1)
		EMX TOTALISER LOST	Totalisers integrity problem	Substitution of the backup battery
		EMX PRESSURE DEFAULT	Pressure sensor out of range 4/20 mA	If steady alarm, see a reparator for trouble shooting
		EMA DG-3001 DEFAULT	Problem with the gas detector	Use the maintenance menu to do a check of the detector status
		EMX CONVER. DEFAULT	Problem during volume conversion	Make sure the set density is consistent
		LEAK DETECTED	Metering detection without measurement	Make sure the check valve is tight
		GAZ DETECTED	Detection of air during high flow delivery	See a reparator for troubleshooting
		DISPLAY DEFAULT	Integrity problem between the display and the display RAM proofreading	If steady alarm, substitution of the display card
		WATCHDOG DEFAULT	Triggering the watchdog function	Switch on-off the MICROCOMPT+ If steady alarm, substitution of the faulty card If steady alarm, substitution of the faulty card
		DATE AND TIME LOST	Problem with the clock	Set date and time
	NO	DIARY DEFAULT	The events diary is lost	Acknowledge the alarm, make sure the date is ok If steady alarm, substitution of the backup battery
	MMMC	MEMORY LOST	The measurements diary is lost	Acknowledge the alarm (enter then exit the metrological mode). If steady alarm, substitution of the backup battery
	S	MEMORY OVER LOADED	Measurement storage area saturated (too many registrations over 90 days)	Acknowledge the alarm (enter then exit the metrological mode) If steady alarm, substitution of the backup battery
		BOOT LOADER DEFAULT	Inconsistency between the app and the version of the boot loader	Match the application software with the boot loader
		PARAMETER LOST	No more integrity of a secured memory area (SUPERVISOR parameters, preset end coeff)	Acknowledge the alarm If steady alarm, substitution of the backup battery
		EEPROM MEMORY FAIL	Loss of metrological parameters	Substitution of the AFSEC+ electronic card
		MEMORY FAULT	Integrity problem with memorized data	Substitution of the AFSEC+ electronic card
		FRAME WORK DEFAULT	Integrity problem with software	Substitution of the AFSEC+ electronic card