

# GPL TRONIQUE

Electronic turbine metering system dedicated to LPG deliveries for road tankers



GPL Tronique



## Application

For deliveries of LPG, BUTANE, PROPANE through hose reel:

- Delivery by presetted quantity or free mode
- Automated delivery management: valves, pump flow rate, emergency stop, remote control, temperature, etc.
- Delivery note and log printing
- On-board devices connected
- Blow-out hose emergency stop



## Product certification



Material in conformity with Measuring Instruments Directive 2014/32/EU



ISO 9001 : 2015



ATEX conformity Zone 1, II 2 G



European certifications in accordance with directives concerning measuring instruments and equipment installed in explosive area

## Constitution

- MICROCOMPT+ Electronic calculator      Large bright display  
3 buttons
- ADRIANE 2" Turbine Meter                      Assembled with pulse emitter
- EPSON Printer kit

## Advantages

- No wear on the meter
- Automated delivery sequence
- Hose burst detection
- Multi remote control box



## Key features

GPL TRONIQUE is a metering system dedicated to measure all liquefied petroleum gas (LPG, butane, propane...). It allows to perform preset or free deliveries through 1 or 2 pumped lines.

Each delivery is fully automated, secured and may be controlled by a remote control (optional) which includes the emergency stop and dead man options.

The permanent control of the flowrate allows any hose burst detection and an emergency stop accordingly.

The associated pneumatic control box (optional) can be connected to the main standard remote controls.





The GPL TRONIQUE is approved for custody transfer and comply with the Measuring Instruments Directive 2014/32/EU (MID) and with the French Committee of Butane and Propane.

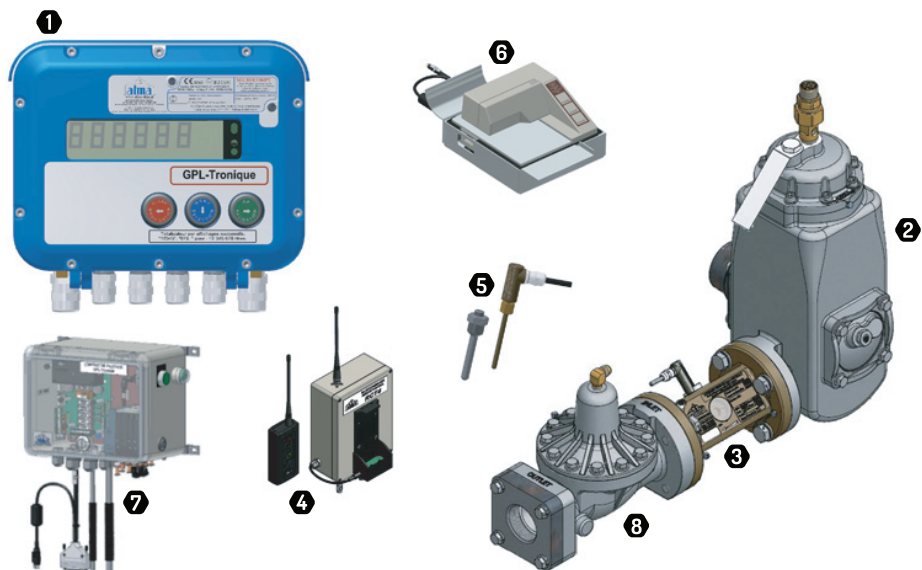
GPL Tronique	
Certificate :	LNE-13621 (MID)
Total weight :	16kg to 45kg
Communication :	RS232 or RS485
Pressure :	30 bar
Indication scale :	1L
Accuracy class :	1
Printer :	EPSON TM-U295
Ambient temperature :	-25°C to +55°C
Options :	
	Volume compensated to 15°C or 20°C
	Pneumatic control box
	1 or 2 discharge lines
	Connection with OBC (on-board computing)
	Remote controls ready to plug
	Full metering line included gas separator and pressure valve
	Stainless steel turbine
	Hose burst control

Turbine	
Body :	Aluminum 242 with pulse emitter
Size :	2" DN50 100x100mm
Weight :	4 kg
Certificate :	LNE-12393 (Welmec Guide 8.8)
Metered Liquids :	All liquefied petroleum gas (LPG, butane, propane...)
Flow rate :	6-30 m <sup>3</sup> /h
Accuracy :	0,3 %
Repetability :	0,1 %
Pressure :	30 bars

Calculateur	
LCD screen :	Main line of 6 digits 20 digits information line Pictograms (L, m <sup>3</sup> /h, °C) Multilanguage interface
Body :	Aluminum
Power supply :	24 VDC
Weight :	12 kg
Protection :	IP66
Certificate :	LNE-13624 (Welmec Guide 8.8)
Memory :	Last 365 days
Printing :	End of day recap Log of events Delivery note

## GPL TRONIQUE :

- 1 Microcomp -  II 2(1) G Ex [ia Ga] IIB T4 Gb
- 2 Gas separator
- 3 Turbine -  II G c IIC T6
- 4 RCT4 Remote control -  II 2G EEx ib IIA T4
- 5 Temperature probe -  II 1G Ex Ia IIC T6 Ga ou II 2G Ex ma II T4 Ga
- 6 Printer kit
- 7 Electro-pneumatic control box
- 8 Pressure holding valve



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