

Electronic turbine  
metering system dedicated  
to pumped deliveries



CMA TRONIQUE



## Product certification



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



ISO 9001 : 2008



ATEX conformity  
Zone 1, II 2 G



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

## Application

Enables metered deliveries of all refined hydrocarbons  
(fuel, diesel, jet, ethanol) and AdBlue

- Return product system with automated manifold control
- Full automated delivery by preset, preset with anticipated purge or free mode
- Automated purge for optimization of declassified product quantity (5 liters max.)
- Delivery note and/or customized invoice printing
- On-board data system protocol

## Constitution

- **2" or 3" ADRIANE Turbine:**
  - High accuracy and repeatability
  - Equipped with pulse emitter
  - Multi-product
- **MICROCOMPT+ Electronic calculator:**
  - Ergonomics strengthened
  - Fully automated delivery process
- **Pressure sensor:**
  - Preset & flow dynamic management
  - Gas detection

## Product benefits

- No gas separator
- Both automated & anticipated deliveries, arinse and purge
- Compact size & lightweight
- Multi-product delivery with no pollution
- Fast delivery with low pressure drop



## Key features

The CMA TRONIQUE is a complete turbine metering system, dedicated to the distribution of petroleum products. In compliance with the Measuring Instruments Directive 2014/32/EU (MID), it is designed to have no need for a gas extractor or foam return.

The light and compact design of this system is a key advantage when fitting to any vehicle.

The features of the CMA TRONIQUE enable multi product deliveries without contamination. Fuel delivery companies can rest assured that they are always delivering a high quality, non- contaminated fuel to their customers.

The electronic fuel metering control system MICROCOMPT +

autonomously activates the valves and manifold system, decreasing the quantity of degraded fuel. This ALMA exclusivity, as well as offering the transporter peace of mind as to the quality of the product delivered, leads to a significant reduction in lost fuel.

At the end of each delivery, the MICROCOMPT+ will prompt the operator to turn off the engine, reducing fuel consumption. This means substantial energy savings as well as helping protect the environment.

With the excellent reliability of its Adriane turbine, the multiple safety features and computer management link, the CMA TRONIQUE offers a long lasting, efficient and effective solution.

CMA TRONIQUE	
Mesured liquids:	All refined hydrocarbons (heating oil, diesel, fuel, AdBlue, jet etc.)
Flow rate:	4-50 or 8-80 m <sup>3</sup> /h 65-850 or 133-1330 l/min
Accuracy class:	0,5
Accuracy:	0,1%*
Repeatability:	0,02%
Scale interval:	1L
Min. pressure:	0,3 bar
Max. pressure:	20 bars
Temperature :	-25°C to +55°C
Weight:	23 kg
Temperature probe:	PT100
Communication:	MODBUS or serial
Printer:	EPSON TM-U295
Certificate:	<a href="#">LNE-14983 (MID)</a>

\* Depending on the conditions of use

ADRIANE Turbine	
Body:	Aluminum
Size:	2" DN50 3" DN80
Atex:	II 2 G c IIC T6
Viscosity:	13 mm <sup>2</sup> /s max.

### MICROCOMPT+ Calculator

LCD screen:	- Easy reading & simple navigation menu - Alarm messages integrated - Units L, m <sup>3</sup> /h, L/min, °C - Multi-language interface
Powersupply:	24 VDC
Atex:	II 2(1) G Ex [ia Ga] IIB T4 Gb
Memory:	365 days
Printing:	- End of day recap - Log of events - Delivery note - Invoice

### Options

- AdBlue®
- Stainless steel turbine
- Volume conversion at 15°C or 20°C
- Delivery outputs: full and/or empty hose
- Return product system management
- Overfilling probes management
- Remote control 3 or 4 buttons
- On-board computer connection
- Additive control system
- ATEX

## CMA TRONIQUE

- 1 Electronic calculator
- 2 Pressure sensor
- 3 Check valve
- 4 Remote control
- 5 Turbine
- 6 Sight glass
- 7 Printer kit
- 8 NO-NC kit



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