



# CMA Tronique

## Application

- ◆ Dedicated to metered deliveries of all refined hydrocarbons (fuel, diesel, jet, ethanol and AdBlue)
- ◆ Multiple distribution methods (predetermination, pre+purge, etc.)
- ◆ Very high level of prevention of blends and pollution risk
- ◆ Printing and multi-channel computer interface

## Avantages

- ◆ Compact size & lightweight
- ◆ High accuracy and repeatability
- ◆ Strengthened ergonomics
- ◆ Fast delivery with low pressure drop
- ◆ Equipped with pulse emitter
- ◆ Both automated & anticipated deliveries, arinse and purge
- ◆ Multi-product delivery without contamination nor pollution
- ◆ No gas separator nor foam return
- ◆ Pressure sensor
- ◆ Gas detection

## Certifications



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



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



ATEX conformity Zone 1, II 2 G



ISO 9001



- 1 Electronic calculator
- 2 Pressure sensor  Ex II 1 G Ex ia IIC T6
- 3 Check valve
- 4 Remote control
- 5 Turbine  II 2 G Ex h IIC T6 Gb  
-with his pulse emitter  II 1 G Ex ma IIC T5 Ga
- 6 Sight glass
- 7 Printer kit
- 8 NO-NC kit
- 9 Alma Inside application :  
(Android/IOS for smartphones and tablets)



Turbine 3" DN80-80  
Turbine 4" DN100-150  
Turbine 2" DN50-30 GPL  
Turbine 2" DN50-50  
Turbine 4" DN100-150

## Technical characteristics

### GENERAL CHARACTERISTICS OF COMPONENTS

#### CMA TRONIQUE

##### Mesured liquids :

All refined hydrocarbons  
(heating oil, diesel, fuel, AdBlue, jet etc.)

**Flows :** 4 - 50 m<sup>3</sup>/h ou 8-80 m<sup>3</sup>/h  
65 - 830 l/min ou 130-1300 l/min

**Accuracy class :** 0,5

**Accuracy :** 0,1 %\*

**Repeatability :** 0,02%

**Scale interval :** 1L

**Min. pressure :** 0,3 bars

**Max. pressure :** 20 bars

**Temperature :** -20°C à +50°C

**Weight :** 23 kg

##### Temperature probe (in option) :

CT1001  II 1 G Ex ma IIC T6 Ga

##### Communication :

Serial, RFID, CAN,  
Bluetooth, Ethernet

**Printer :** EPSON TM-U295



##### CMA-Tronique Certificate :

LNE-14983 (MID)

#### TURBINE ADRIANE

**Body :** Aluminium 243

**Size :** 2" DN50 100x100mm  
ou 3" DN80 110x110mm

**Atex :**  II 2 Ex h IIC T6 Gb

**Viscosity :** 13 mm<sup>2</sup>/s max.

**Turbine Adriane Certificate :**

LNE-12393 (Guide Welmec 8.8)

#### MICROCOMPT+

**LCD screen :**

- Easy to read
- Simplified navigation menu
- Integrated alarm messages
- Units : L,m<sup>3</sup>/h, L/min, °C
- Languages : EN, FR

**Calculator body :** Aluminium

**Power supply :** 24 VDC

**Atex :**  II 2 (1) G Ex db [ia Ga] IIB T6 Gb  
- exist in no-Atex version

**Memory :** 3 ans

**Calculateur Certificate :**

LNE-13624 (Guide Welmec 8.8)

#### Option :

- 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
- 3 or 4 buttons remote control
- On-board computer connection
- Additive control system
- Cargo management system
- WIFI communication
- Embedded GSM & GPS communication
- Electro magnetic meter
- Alma Inside application

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