



Electronic turbine measuring system for measured pump distributors



TURBO TRONIQUE



## Product Certifications



Compliant with the 2014/32/EU Measuring Instruments Directive (MID)



ISO 9001 : 2015

ISO 9001:2015



ATEX Zone 1, II 2 G compliance



European Certifications Compliant with the measuring instruments directive and equipment installed in explosive atmospheres

## Application

Ensures measured distribution of light hydrocarbons (fuel oil, diesel, non-road diesel, ethanol) and urea.

- Automated distribution valve control
- Pre-set distribution if required
- Pre-set + purge, free distribution mode or barrel mode
- Controlled purge with collector drainage and optimised quantities of declassified products
- Personalised invoice and delivery document printing
- Multi-channel display interface and printing
- Requires a gas separator

## Composition

- ADRIANE 2" or 3" turbine
  - High precision and repeatability
  - Fitted with a pulse emitter
- MICROCOMPT + electronic calculator
  - Enhanced ergonomics
  - Complete delivery process management

## Advantages

- Fully automated delivery, rinsing and pre-emptive purges
- Compact and lightweight
- Multi-product distribution with no cross-contamination
- Fast distribution with low load loss



# TURBO TRONIQUE

## Main Features

The TURBO TRONIQUE is a turbine measuring system designed for controlled distribution of light hydrocarbons, and is fully compliant with the 2014/32/EU Measuring Instruments Directive (MID).

The ADRIANE turbine measuring unit is light and compact, and can easily be mounted after the gas separator on existing or new fuel tanks for high-precision hydrocarbon distribution.

TURBO TRONIQUE's design allows it to distribute several different products with zero cross-contamination: for fuel distributors, this guarantees their clients an impeccable quality product and the highest quality distribution.

The MICROCOMPT+ electronic calculator is an automatic system which manages the collector valves and reduces the volume of declassified product. An exclusive ALMA solution, this ensures maximum quality for the user and a significant gain in terms of declassified product volume.

Once distribution is complete, the MICROCOMPT+ will order the truck motor to shut down. This helps reduce fuel consumption and saves energy while helping protect the environment.

Thanks to the multiple connection channels, the device can interface with an on-board computer and communicate with remote systems for maintenance and supervision.

TURBO TRONIQUE	
Liquids measured:	All hydrocarbons (fuel oil, diesel, petrol, jet fuel) and urea
Flows:	4 - 48 m <sup>3</sup> /h or 8-80 m <sup>3</sup> /h 65 - 800 l/min or 130-1300 l/min
Accuracy class:	0.5
Accuracy:	0.1%*
Repeatability:	0.02%
Grade:	1L
Minimum pressure:	2.3/3 bar or 0.3 bar
Maximum pressure:	10 bar
Temperature:	-25°C to +55°C
Weight:	23kg
Temperature probe:	PT100
Communication:	Serial, RFID, CAN, Bluetooth, Ethernet
Printer:	EPSON TM-U295
Certificate:	<a href="#">LNE-26664 (MID)</a>

\*depending on usage conditions

Requires a gas separator (not included)

ADRIANE Turbine	
Body:	Aluminium
Size:	2" DN50 100x100mm or 3" DN80 110x110mm
Viscosity:	10mm <sup>2</sup> /s max. (2" DN50) 13mm <sup>2</sup> /s max. (3" DN80)
Certificate:	<a href="#">LNE-12393 (Welmec 8.8 guide)</a>

### MICROCOMPT+ Calculator

LCD screen:	- Easy to read - Simplified browser menu - Integrated alert messages - Units: L, m <sup>3</sup> /h, l/min, °C - Multilingual interface: English and French
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Power supply: 24VDC

Memory: 3 years

Printing:  
- End-of-day recap  
- Event log  
- Delivery document  
- Invoice

Certificate: [LNE-13624 \(Welmec 8.8 guide\)](#)

### Optional extras

- Volume conversion at 15°C or 20°C
- Two delivery pathways (full/empty)
- Product return system management
- Anti-overflow probe control
- 3- or 4-button remote control
- Connects to on-board computers
- Additive system management
- Cargo management
- Wi-Fi connection
- Integrated GSM and GPS communication
- Electro-magnetic measurement
- **Alma Inside** application (Android/iOS smartphone or tablet)

## TURBO TRONIQUE

- 1 Electronic calculator -  II 2 (1) G Ex d [ia Ga] IIB T6 Gb (ATEX version available as an optional extra)
- 2 Check valve
- 3 Remote control
- 4 Turbine -  II 2 G c IIC T6
- 5 Viewfinder kit
- 6 Printing kit

