

Electronic turbine metering system for Aircraft refuellers



AIR TRONIC

## Application

Measured distribution of aviation fuel

- Distribution in free mode or by presetting
- Remote display output
- Data communication by GSM / Bluetooth / WIFI serial link



## Product Certification



ISO 9001: 2015



ATEX Zone 1, II 2 G compliance

## Constitution

- ADRIANE turbine 2", 3" and 4" - High Accuracy and Repeatability  
- Flow range: 4 to 150 m<sup>3</sup>/h
- MICROCOMPT+ Electronic computer - Ergonomics and simplicity  
- Management of delivery processes

## Advantages

- Automated distribution
- Compact & light installation
- Ease of use
- Fast delivery with low pressure drop
- Reliability and strength
- Availability of the measurement data and event log



## Main characteristics

The AIR TRONIC is a turbine measuring unit for metered distribution to aircraft refuellers.

In compliance with the requirements of the Measuring Instruments Directive (MID) 2014/32/EU, the Adriane turbine meter is compact, lightweight and easy to install on product delivery or recovery lines of new or existing refuellers to provide high accuracy metered distribution.

The AIR TRONIC functionalities allow deliveries in free or preset mode.

The MICROCOMPT+ electronic computer autonomously controls the different distribution processes and offers ease and comfort of use. In this way it ensures successful transfers.

Thanks to the high reliability of the Adriane turbine, the numerous safety functions and the possibility of connection of the Microcompt+ to an embedded system, the AIR TRONIC offers a durable, efficient and safe solution.

\*Requires an upstream gas removal device.

AIR TRONIC	ADRIANE turbine	MICROCOMPT+ computer
<b>Liquids measured:</b> All hydrocarbons (AVGAS / JET)	<b>Body:</b> Aluminium	<b>LCD display:</b> <ul style="list-style-type: none"> <li>- Easy Reading</li> <li>- Simplified browsing menu</li> <li>- Alarm messages incorporated</li> <li>- Units: L, m<sup>3</sup>/h, L/min, °C</li> <li>- Multilingual interface</li> <li>- Simultaneous display of the current volume and the totalizer</li> </ul>
<b>Flows:</b> 4-50 m <sup>3</sup> /h, 8-80 m <sup>3</sup> /h or 15-150 m <sup>3</sup> /h 65-850 l/min, 130-1300 l/min or 250-2500 l/min	<b>Size:</b> 2" DN50 100x100mm either 3" DN80 110x110mm or 4" DN100 TTMA	<b>Power supply:</b> 24 VDC
<b>Accuracy class:</b> 0.5	<b>Atex:</b> II 2 G c IIC T6	<b>Atex:</b> II 2(1) G Ex [ia Ga] IIB T4 Gb
<b>Accuracy:</b> 0.1%*	<b>Viscosity:</b> 13mm <sup>2</sup> /s max. 10mm <sup>2</sup> /s max. (2")	<b>Memory:</b> 3 years
<b>Repeatability:</b> 0.02%	<b>Certificates:</b> <a href="#">LNE-12393 (Welmec Guide 8.8)</a> <a href="#">R117/2007-FR2-17.01 (OIML)</a>	<b>Printing:</b> <ul style="list-style-type: none"> <li>- Shift end report</li> <li>- Event log</li> <li>- Delivery note</li> <li>- Invoice</li> </ul>
<b>Scale interval:</b> 1L	<b>Options</b> <ul style="list-style-type: none"> <li>- Volume conversion at 15°C or 20°C</li> <li>- Two delivery channels (full/empty)</li> <li>- Product return system management</li> <li>- Connection with embedded computing</li> <li>- Additive management</li> <li>- GSM/GPS, WIFI communication</li> <li>- Temperature sensor PT100</li> <li>- Printer EPSON TM-U295</li> </ul>	<b>Certificates:</b> <a href="#">LNE-13624 (Welmec Guide 8.8)</a> <a href="#">R117/2007-FR2-17.02 (OIML)</a>
<b>Temperature:</b> -25°C to +55°C		
<b>Weight:</b> 15 to 17kg		
<b>Communication:</b> RS232 or RS485, Bluetooth		

\*Depending on the conditions of use.

## AIR TRONIC

- 1 Microcompt - II 2(1) G Ex [ia Ga] IIB T4 Gb
- 2 2" Turbine
- 3 3" Turbine
- 4 4" Turbine
- 5 Printer Kit (option)
- 6 Temperature sensor CT1001 (option) - ma II T4 Ga



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