OIML Certificate of Conformity

OIML Member State
The Netherlands

Number R117/2007-NL1-16.03
Project number 16200580

Issuing authority Person responsible:	NMi Certin B.V. C. Oosterman
Applicant and Manufacturer	Dresser Wayne Pignone DEG Italia SpA Via Roma 32 IT 23018 Talamona (SO) Italy
Identification of the certified type	A **fuel dispenser** Type: Global Vista
Characteristics	See page 2 and further

This Certificate attests the conformity of the above identified type (represented by the sample(s) identified in the OIML Type Evaluation Report) with the requirements of the following Recommendation of the International Organization of Legal Metrology (OIML):

R 117-1 (2007) "Dynamic measuring systems for liquids other than water"

Accuracy class 0,5

This Certificate relates only to the metrological and technical characteristics of the type of measuring instrument covered by the relevant OIML International Recommendation identified above. This Certificate does not bestow any form of legal international approval.

Important note: Apart from the mention of the Certificate's reference number and the name of the OIML Member State in which the Certificate was issued, partial quotation of the Certificate and of the associated OIML Type Evaluation Report(s) is not permitted, although either may be reproduced in full.

Issuing Authority **NMi Certin B.V., OIML Issuing Authority NL1**
18 November 2016

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The notification of NMi Certin B.V. as Issuing Authority can be verified at www.oiml.org

INSPECTION RvA I 122

The conformity was established by the results of tests and examinations provided in the associated report(s):

- No. NMi-16200580-02 dated 18 November 2016 that includes 28 pages.

Characteristics of the measuring instrument
In Table 1 the general characteristics of the measuring instrument are presented.
The construction of the measuring instrument is recorded in the Documentation folder no. T10117-1.

Table 1 General characteristics

Flow rate range	See table 2
Minimum measured quantity	2 L
Maximum pressure	3,0 bar
Environmental classes	M1 / E1
Ambient temperature range	-25 °C / +55 °C; condensing humidity
Product temperature range	-25 °C / +50 °C
Intended for the measurement of	gasoline/gasoil or blend
Power supply voltage	230 / 400 V AC; 50 Hz

Each measuring instrument consists at least of:
- One combined pump and gas eliminator device (gas separator);
- One measurement transducer (meter);
- One calculating/indicating device (calculator).

The characteristics of the mentioned parts of the fuel dispenser are presented at table 3 and higher.

The same housing of the dispenser can comprise of one or more measuring systems. When more than one measuring systems are in one housing, one calculating/indicating device may be a common part of the measuring systems.

For multi-product dispensers it is only possible to deliver one product at the same time on one side of the dispenser.

Table 2 gives an overview of flow characteristics of the configurations of the family of instruments.

Table 2 Flow characteristics of the configurations

Configuration	Flow rate range	Remarks
1 x gas separator 1 x meter	4 – 70 L/min	Intended for the measurement of gasoline/gasoil.
1 x gas separator 1 x meter	4 – 40 L/min	Intended for the measurement of blending product.
1 x gas separator 1 x meter	4 – 40 L/min	Intended for the measurement of gasoline/gasoil. The gas separator of this measuring system is suitable for use with two measurement transducers. Each measuring transducer is considered as a part of a measuring system.
1 x gas separator 2 x meter	4 – 90 L/min	Intended for the measurement of gasoil. A Qmax of 90 L/min can also be reached by connecting two gas separators and two measurement transducers in parallel with delivery via one hose with nozzle. This configuration allows a delivery from two nozzles simultaneously at 90 L/min.
2 x gas separator 2 x meter	13 – 130 L/min	Intended for the measurement of gasoil. A Qmax of 90 L/min can be reached by connecting two measurement transducers in parallel with delivery via one hose with nozzle. This configuration does not allow a delivery from two nozzles simultaneously at 130 L/min (except when the remote pump is used).
3 x gas separator 4 x meter	13 – 130 L/min	Intended for the measurement of gasoil. This configuration allows a delivery from two nozzles at 130 L/min simultaneously.

Production location

The fuel dispenser is produced at one of the following production locations:

- Wayne Fueling Systems Sweden AB
  Hanögatan 10
  SE–211 24 Malmö
  Sweden

- Wayne Indústria e Comércio
  Estrada do Timbó, 126 – Higienópolis
  21061-280 – Rio de Janeiro
  Brazil

- Dresser Wayne Fuel Equipment (Shanghai) Co., Ltd
  51 Daxiu Road, Pudong
  Shanghai
  China

Parts of the fuel dispenser

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The conformity of the following parts was established by the results of tests and examinations provided in the associated report(s):

Part: Measurement transducer
Producer: Wayne Fueling Systems Sweden AB
Type: iMeter
Documentation folder: TC7211-1 and TC7212-6 (Pulsers)
Reports: No. NMi-16200580-02 dated 18 November 2016 that includes 28 pages.

Table 3 General characteristics of the measurement transducer type iMeter

Flow rate range [L/min]	3 – 70 L/min
MMQ	2 L
Maximum pressure	3,0 bar
Environmental classes	M1 / E1
Ambient temperature range	-25 °C / +55 °C
Product temperature range	-25 °C / +50 °C
Intended for the measurement of	low-viscosity mineral oils with a viscosity of 0,4 mPa·s – 8,0 mPa·s
Impulse encoder or pulser	WIP (WM001682-0001) or WIP (WM031856-0001) or XWIP (WM011529-0001) or XWIP II (WM019142-0001)

Part: Calculating/indicating device
Producer: Wayne Fueling Systems Sweden AB
Type: iGEM
Documentation folder: TC7212-6
Reports: No. NMi-16200580-02 dated 18 November 2016 that includes 28 pages.

Table 4 General characteristics of the calculating/indicating device

Maximum volume indication	6 digits
Maximum unit price	4 or 5 digits
Maximum price to pay	6 or 7 digits
Environmental classes	M1 / E1
Ambient temperature range	-40 °C / +55 °C
Software identification	Checksum: 0BE5 or 555F
Impulse encoder or pulser	WIP (WM001682-0001) or WIP (WM031856-0001) or XWIP (WM011529-0001) or XWIP II (WM019142-0001)

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Part: Gas elimination device
Producer: Wayne Fueling Systems Sweden AB
Type: CPU
Documentation folder: TC7210-1
Reports: No. NMi-16200580-02 dated 18 November 2016 that includes 28 pages.

Table 5 General characteristics of the gas elimination device

Maximum flow rate	90 L/min
Minimum pressure	1,2 bar
Maximum pressure	3,0 bar
Environmental classes	M1
Ambient temperature range	-25 °C / +55 °C
Product temperature range	-25 °C / +50 °C
Intended for the measurement of	low-viscosity mineral oils with a viscosity of 0,4 mPa·s – 8,0 mPa·s