

OIML Member State
The Netherlands

Number R117/2019-A-NL1-21.03
Project number 2555194
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Issuing authority
Person responsible: NMi Certin B.V.
M. Boudewijns

Applicant and
Manufacturer: Petrotec
Parque Industrial de Guimarães
S. João de Ponte
PT 4805-661 – GUIMARÃES
Portugal

Identification of the
certified type: A **measurement transducer** intended to be used as a part of a fuel
dispenser.
Type: PTF 25-80

Characteristics: See page 2 and further

This OIML Certificate is issued under scheme A.

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 117:2019 "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.

This certificate and supporting reports comply with the requirements of OIML-CS-PD-07 clause 6.2.

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**
16 March 2021

Certification Board

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This document is issued under the provision that no liability is accepted and that the applicant shall indemnify third-party liability.

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

This document is digitally signed and sealed. The digital signature can be verified in the blue ribbon at the top of the electronic version of this certificate.



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The conformity was established by the results of tests and examinations provided in the associated report/certificate:

- No. PF/4794 dated March 1995 that includes 9 pages^[1];
- No. CPC-812356-01 dated 03 April 2009 that includes 11 pages;
- No. NMI-2555194-01 dated 16 March 2021 that includes 25 pages.

Characteristics of the measurement transducer

In Table 1 the general characteristics of the measurement transducer are presented. The construction of the measurement transducer is recorded in the Documentation folder no. TC7293-3.

The measurement transducer is a four-cylinder positive displacement meter.

Table 1 General characteristics

Measuring principle	Four-cylinder positive displacement meter
Cyclic volume	0,5 L
Rotation value outgoing shaft	0,5 L/rev
Minimum measured quantity	2 litres
Density range	700 ... 900 kg/m ³
Viscosity range	0,4 ... 8 mPa·s
Maximum pressure	5 bar(g)
Accuracy class	0,5
Intended for the measurement of	Gasoline and Diesel

Table 2 Flow characteristics

Liquid temperature range	Qmin	Qmax
-5 °C - +35 °C	2,5 L/min	130 L/min
- 40 °C - +50 °C	4 L/min	80 L/min

^[1] This certificate was issued based on the draft version of the OIML R117:1995 before the official version of OIML R117:1995 standard was published. Thus, an NMI Certificate was issued and not an OIML test report.

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Production location

The measurement transducer is produced at one of the following production locations:

- Petrotec, Inovação e Industria, SA, Parque Industrial de Guimarães, Pav. C2, S.João de Ponte, 4805-661 Guimarães, Portugal.
- PETROTEC Retail Petroleum Equipment (India) Private Limited, E-108A/109/110, GIDC Electronic Estate, Sector-26, Gandhinagar-382 028 Gujarat India.

Certificate history:

This revision replaces the previous version.

Revision	Date	Description of the modification
Initial	16 March 2021	-
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