



OIML Certificate

OIML Member State

The Netherlands



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Issuing authority NMi Certin B.V.

Person responsible: M.Ph.D. Schmidt



Applicant and Manufacturer

FMC Technologies Measurement Solutions Inc

1602 Wagner Avenue 16514-0428 Erie, PA United States of America

Identification of the certified type

A calculating and indicating device intended to be used as a part of a

dynamic measuring system for liquids other than water.

Type: AccuLoad IV

Model: ALIV-QT-XP, ALIV-ST-XP,

ALIV-QT-UG3, ALIV-ST-UG3, ALIV N4, ALIV N4-MMI, ALIV FCM and ALIV FMU

Characteristics See following page(s)

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 117-1: 2019 "Dynamic measuring systems for liquids other than water"

Accuracy class 0,3 (non-interruptible applications) 0,3 and 0,5 (batch applications)

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

18 August 2023

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(s):



- No. NMi-14200537-01 dated 22 November 2016 that includes 61 pages;
- No. NMi-14200537-02 dated 22 November 2016 that includes 24 pages.
- No. NMi-3603013-01 dated 7 April 2023 that includes 52 pages.
- No. NMi-3668598-01 dated 18 August 2023 that includes 23 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. TC8664-2.

Table 1 General characteristics

Environmental classes	M1 / E2 / H3	
Ambient temperature range	- 40 °C to + 55 °C	
Product temperature range	- 50 °C to +150 °C	
Product pressure range	0 to 100 bar(g)	
Power supply voltage	115 – 230 V AC; 50/60 Hz	
Software identification	See Table 2	
Approved inputs	 Volume / mass A/B impulses; 4 wire Pt100 RTD; Time period signal for density; 420 mA signal for temperature, pressure and density; Ethernet connection; RS232C; Up to 14 double, phase-shifted pulse channels (level A). 	
Approved outputs	 RS232C connection for an optional printer (printer output with parity check); Ethernet connection; 	















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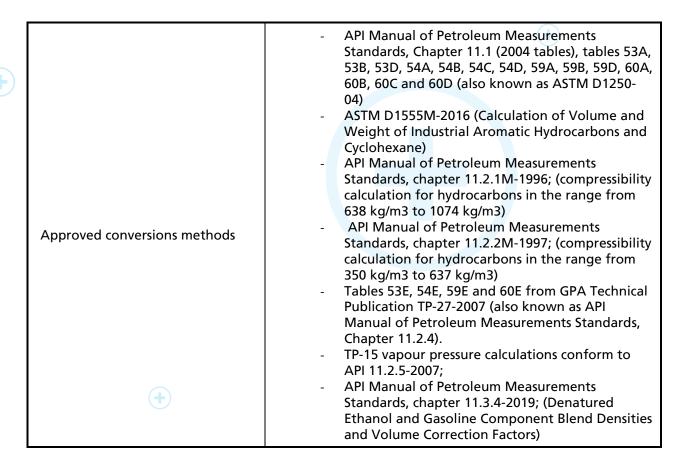


Table 2 Software identification

Software versions	Firmware ID	Remarks
AcculoadIV-0.3-0-	ge2c0cd7d	Initial release.
AcculoadIV-0.4-0-	g8d109968	-
AcculoadIV-0.5-0-	gcfc761d3	-
AcculoadIV-0.6-0-	g48045ff1	-
AcculoadIV-0.7-0-	g576b6b6f	-
AcculoadIV-0.9-0-	gc0fe990e	-
AcculoadIV-0.10-0-	g4ae58234	- (=
AcculoadIV-0.12-0-	gde8c9bb9	-
AcculoadIV-1.1-0-	g1b8a5c22	-
AcculoadIV-1.2-0-	gddc85933	-
AcculoadIV-1.2-0-	gddc85933	-





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	Software versions	Firmware ID	Remarks
	AcculoadIV-1.3-0-	gf73c7863	-
)	AcculoadIV-1.4-0-	gc953788c	
	AcculoadIV-1.5-0-	g35e6d77e	-
	AcculoadIV-1.6-0-	g76aa24c9	-

Certificate history: This revision replaces the previous version.

Revision	Date	Description of the modification
0	18 August 2023	Initial release









