

Issued by	NMi Certin B.V.
Relevant document	'Metrologiewet' (Stb. 2006, 137) and 'Regeling nationaal autonoom geregelde meetinstrumenten'
Producer	Endress+Hauser SE+Co. KG Hauptstrasse 1 79689 Maulburg Germany
Part	A calculating and indicating device intended for use as part of a liquid automatic level gauge Type : Tankvision Professional NXA85
Result	<p>The technical design of the calculating and indicating device has been evaluated by carrying out examinations and tests in accordance with the relevant documents as mentioned on the following pages. As a result, it has been concluded that the calculating and indicating device meets the applicable essential requirements of 'Metrologiewet' (Stb. 2006, 137). The examination has resulted in Test Certificate number TC8732 revision 2.</p> <p>The executed evaluations, reference documents and reports used during the examination are described on the following pages.</p>
Remark	This revision replaces the earlier version(s).

Issue Date 15 April 2022



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Team Leader

1 Examinations according to the Directive

The activities listed in point 4 of Annex II, module B of Directive 2014/32/EU are executed with the results as stated in the table below.

Point	Activity	Performed and Passed [yes/no/N.A.]
4.1	Examine the technical documentation	Yes
4.2	Verify that specimens have been manufactured in conformity with the technical documentation	Yes
	Identify elements designed in accordance with the relevant provisions of the relevant documents	Yes
	Identify elements which have been designed without applying the relevant provisions of the relevant documents	N.A.
4.3	Carry out the appropriate examinations and tests, or have them carried out, to check whether, where the manufacturer has chosen to apply the solutions in the relevant documents, these have been applied correctly	Yes
	Applied harmonised standard / normative document	See chapter 2
4.4	Carry out the appropriate examinations and tests, or have them carried out, to check whether, where the manufacturer has chosen not to apply the solutions in the relevant documents, the solutions adopted by the manufacturer meet the corresponding essential requirements of this Directive	N.A.
4.5	Agree with the applicant on the location where the examinations and tests are carried out	Yes
4.6	Examine the technical documentation and supporting evidence to assess the adequacy of the technical design of the other parts of the measuring instrument	Yes

2 Harmonised standards, normative documents and / or recommendations

The calculating and indicating device is examined in accordance with the 'Metrologiewet' listed in this Evaluation Report, page 1.

The following harmonised standards, normative documents and / or recommendations are applied:

- WELMEC 7.2, Issue 5 "Software Guide"
- OIML R85-1&2: 2008 "Automatic level gauges for measuring the level of liquid in stationary storage tanks"

3 Report(s)

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

Test	Part / Type	Report	Remarks
Complete evaluation up to 4 May 2016	Tankvision Professional NXA85	NMi-15200301-05 NMi-15200301-06	
Software evaluation	Software version 18.3.1	NMi-2568528-01	Evaluation of software according to the requirements of WELMEC 7.2, Issue 5

A report can be a test report, an evaluation report, a type evaluation report and/or a pattern evaluation report.

4 Additional Evaluations

This Evaluation Report is supplemented by the following additional evaluations:

Test	Part / Type	Report / Document	Remarks
Software evaluation	Software version 18.3.2	Change log file "NXA85_SW18.3.2_xxx_xx_NMiApprovalRequest"	Evaluation of software update

5 Cross reference

Requirements of the 'Metrologiewet' which are not covered by the applied harmonised standards and / or normative documents, as indicated in the applied cross reference, are covered by the following:

Test	Report	Remarks
Other influence quantities to be considered, where appropriate, are: - mains frequency variation - power frequency magnetic fields	-	The stated influence quantities are judged to have no significant influence on the accuracy of the calculating and indicating device. Therefore, no additional tests have been performed.
Software identification shall be easily provided by the measuring instrument.	-	See chapters 1.2 of the description of TC8732.

6 Revision History

Project number	Rev.	Date	Report / Document	Description / Remarks
2568528	1 ¹	15 November 2021	NMi-15200301-05 NMi-15200301-06 NMi-2568528-01	First issue.
3516590	2	15 April 2022	Change log file "NXA85_SW18.3.2_xxxxx _NMiApprovalRequest"	Software update

¹ Revision 0 is not issued. This first issue is numbered revision 1 in order to keep the numbering synchronised with the numbering of the revisions of Test Certificate TC8732.