



Evaluation report

Number **ER11593** revision 22
Project number 4081424
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Issued by	NMI Certin B.V.
Relevant document	Directive 2014/32/EU of the European parliament and of the council of 26 February 2014 on the harmonisation of the laws of the Member States relating to the making available on the market of measuring instruments
Manufacturer	Euphoria Software BV Wilhelminapark 36 5041 EC Tilburg The Netherlands
Measuring instrument	Taximeter Type : MDT
Result	The technical design of the measuring instrument 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 measuring instruments meets the essential requirements of Directive 2014/32/EU. The examination has resulted in EU-type examination certificate number T11593 revision 22. The executed evaluations, reference documents and reports used during the examination are described on the following pages.
Remark	This revision replaces the earlier versions.

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Manager Type Approval

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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 normative document	See next chapter
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 Normative document and guidance documents

The taximeter is examined in accordance with the relevant document listed in this Evaluation Report, page 1.

The following normative document and guidance documents are applied:

- OIML R 21 (2007) "Taximeters";
- WELMEC 7.2, 2022, "Software Guide";
- WELMEC 12.1, 2020, "Taximeters Common Application"

3 Report(s)

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

Item	Part / Type	Report	Remarks
Complete evaluation	MDT	NMi-2224566-01	-
Software	MDT	NMi-2539358-03	WELMEC 7.2 2022

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:

Evaluation	Document	Conclusions
Functionality , alternative components and 5" display	NMi-2539358-01 NMi-2539358-04 NMi-3581614-02 NMi-3700106-02 NMi-3740708-01	no influence
Cold test	NMi-3731178-02	temperature range extended
Software	EUP-MDT-2-14-100.2-MDT-Release-notes-1.4.3.pdf NMi-3700106-03 revision 1	no influence
Software	EUP-MDT-2-14-100.6-MDT-Release-notes-1.5.0.pdf	no influence
Software	EUP-MDT-2-14-100.7-MDT-Release-notes-NMI-1.5.1.pdf	no influence
Software	EUP-MDT-2-14-100.8-MDT-Release-notes-NMI-1.5.1.pdf	no influence
Software	EUP-MDT-2-14-100.9-MDT-Release-notes-NMI-1.6.0.pdf	no influence
Software	EUP-MDT-2-14-100.10-MDT-Release-notes-NMI-1.6.1.pdf	no influence
Software	EUP-MDT-2-14-100.11-MDT-Release-notes-NMI-1.6.2.pdf	no influence
Software	EUP-MDT-2-14-100.12-MDT-Release-notes-NMI-1.7.0.pdf	no influence
Software	EUP-MDT-2-14-100.13-MDT-Release-notes-NMI-1.5.2.pdf	no influence

5 Corresponding table

Requirements of the Directive which are not covered by the applied normative documents, as indicated in the applied corresponding table, are covered by the following:

WELMEC CT-007, 2019: Directive 2014/32/EU vs. OIML R 21, 2007		
Requirement 2014/32/EU	Report	Remarks
Annex I, 1.3.3 (a) Electromagnetic environment class	NMi-2224566-01 NMi-2539358-01 NMi-3581614-02 NMi-3700106-02 NMi-3740708-01	Starting Profile, Level III, according to ISO 16750-2:2012(E) replaces R21 A.5.4.7, test pulse 4 Load dump, Test B, according to ISO 16750-2:2012(E) is used with extreme values from table 6 Test Pulse 2a, 3a and 3b at level IV of ISO 7637-2:2011 are used, direct connection to vehicle battery For EM fields a field strength of 24 V/m and a frequency range up to 6 GHz is used.
Annex I, 7.6 Test procedure in the operation manual	-	A test procedure for control of the measuring tasks is described in the operating manual.
Annex I, 9.3 Instrument accompanied by information.	-	Instrument comes with an operating manual and installation manual that contain the required information.
Annex IX, 8.2 MPE	NMi-2224566-01 NMi-2539358-01 NMi-3581614-02 NMi-3700106-02 NMi-3740708-01	Significant faults do not occur
Annex IX, 14.2 Securing settings	NMi-2224566-01	Separate securing of settings is possible
Annex IX, 19 Fraudulent alterations of measurement signal	NMi-2539358-04	The taximeter checks the plausibility of the measurement signal

6 Revision History

Project	Rev	Report/ document	Description / Remarks
2224566	0	NMi-2224566-01 T11593-1	Initial issue
2539358	1	NMi-2539358-01 NMi-2539358-03 NMi-2539358-04 T11593-2	Software changes and alternative components
3581614	2	NMi-3581614-02	Printer Wepoy and CAN bus interface Beijer BCI-2
3700106	3	NMi-3700106-02 NMi-3700106-03 T11593-3	Software changes and alternative components
3740708	4	NMi-3740708-01 T11593-4	5 inch display
3789727	5	-	Software bug-fixing
3789727	6	-	Software bug-fixing & distance pulse counting mode for verification after installation
3789727	7	-	Software bug-fix
3789727	8	-	Not legally relevant software changes
3789727	9	-	Not legally relevant software changes
3921011	10	-	Not legally relevant software changes
3921011	11	NMi-3731178-02	Not legally relevant software changes, temperature range extended to -25 °C
3921011	12	-	Software bug-fixing
3921011	13	- NMi-3700106-03 Revision 1	Software change tariff handler Examination WELMEC 7.2 Extension O
3921011	14	-	Software bug-fix
3921011	15	-	Software change interface output
4081424	16	-	Not legally relevant software changes
4081424	17	-	Not legally relevant software change
4081424	18	-	Not legally relevant software changes
4081424	19	-	Not legally relevant software changes
4081424	20	-	Not legally relevant software changes
4081424	21	-	Not legally relevant software changes
4081424	22	-	Version 1.5.2. Release notes evaluated in version 1.6.0 - not legally relevant software changes