Evaluation report

Issued by	NMi Certin B.V.
Relevant document	Directive 2014/31/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 non-automatic weighing instruments.
Manufacturer	Kern & Sohn GmbH Ziegelei 1 D-72336 Balingen-Frommern Germany
Measuring instrument	A **Non-automatic weighing instrument** Application: Type: Price computing RXB…NM (without pole), RXB…HNM (with pole) Counting CXB…NM
Result	The technical design of the non-automatic weighing 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 non-automatic weighing instrument meets the essential requirements of Directive 2014/31/EU. The examination has resulted in EU-type examination certificate no. T8439 revision 3. The executed evaluations, reference documents and reports used during the examination are described on the following pages.
Remarks	This revision replaces the earlier versions.

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Manager Type Approval

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PRODUCTS
RvA C 681

1 Examinations according to the Directive

The activities listed in point 1.4 of Annex II, module B of Directive 2014/31/EU are executed with the results as stated in the table below.

Point	Activity	Performed and Passed [yes/no/N.A.]
1.4.1	Examine the technical documentation	Yes
1.4.2	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.
1.4.3	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 harmonized standard	See next chapter
1.4.4	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.
1.4.5	Agree with the applicant on the location where the examinations and tests are carried out	Yes

2 Harmonized standards, normative documents and / or recommendations

The non-automatic weighing instrument is examined in accordance with the relevant document listed in this Evaluation Report, page 1.

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

- OIML R 76 (2006) Non-automatic weighing instruments;
- EN 45501:2015 Metrological aspects of non-automatic weighing instruments;
- WELMEC 2 2015 Directive 2009/23/EC: Common Application Non-automatic weighing instruments;
- WELMEC 2 2021 Directives 2014/31/EU and 2014/32/EU: Common Application;
- WELMEC 2.2 Issue 3 Guide for Testing Point of Sale (POS) Devices;
- WELMEC 2.4 2021 Guide defining non-critical constructions for NAWI and AWI;
- WELMEC 2.10 2021 Technical Implementation of The Modular Evaluation for Non-Automatic Weighing and Automatic Weighing Instruments.

3 Reports

The conformity was established by the results of tests and examinations provided in the associated reports:

Test	Part / Type	Report	Remarks
Disturbance tests + R76 checklist	Model: TWH3 e = 1 µV n = 10000	NMi-12200012-01	R76:2006
Disturbance tests	Model: FB53 e = 1 µV n = 10000	NMi-12200012-02	R76:2006
Disturbance tests	Model: WOW5C Max 1,5 kg e = 0,5 g	NMi-12200012-03	R76:2006
Disturbance tests	Model: SAP3 Max 15 kg e = 5 g	NMi-12200291-01	R76:2006
Disturbance tests + R76 checklist	Model: FB51 e = 1 µV n = 3000	NMi-12200291-02	R76:2006
Disturbance tests + R76 checklist	Model: AZ3 Max 15 kg e = 5 g	NMi-12200291-03	R76:2006
R76 checklist	Model: ALH3 Max 15 kg e = 5 g	NMi-12200291-04	R76:2006
Disturbance tests + Influence factor tests + checklist R76	Model: TWH3 e = 1 µV n = 10000	NMi-9200870-01	R76:1992
Disturbance tests + checklist R76	Model: WOW5C Max 1,5 kg e = 0,5 g	NMi-9200870-02	R76:1992
Disturbance tests	Model: FB53 e = 1 µV n = 10000	NMi-9200870-03	R76:1992

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

4 Revision History

Project no.	Rev.	Date	Report / Document	Description / Remarks
3700232	1[1]	2023-08-21	T8439-2 NMi-12200012-01 NMi-12200012-02 NMi-12200012-03 NMi-12200291-01 NMi-12200291-02 NMi-12200291-03 NMi-12200291-04 NMi-9200870-01 NMi-9200870-02 NMi-9200870-03	Initial issue Updating sealing drawings
3831833	2	2024-08-05	T8439-3	Adding PCB board drawing.
3831833	3	2024-08-08	-	Renewal

[1] Revisions 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 EU-type examination certificate T8379.