

Issued by NMI Certin B.V.

In accordance with WELMEC 8.8 2017, EN 45501:2015, WELMEC 2.10 2021, WELMEC 7.2 2022.

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Italy

Measuring instrument A **Point Of Sale**, tested as a part of a weighing instrument.

Type : ASAR

Further properties are described in the annexes:

- Description TC12609 revision 0;
- Documentation folder TC12609-1.

An overview of performed tests is given in the annex:

- Description TC12609 revision 0.

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Description

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1 General information about the point of sale

All properties of the point of sale, whether mentioned or not, shall not be in conflict with the standards mentioned in this certificate.

This certificate is the positive result of the applied voluntary, modular approach, for a component of a measuring instrument, as described in WELMEC 8.8. The complete measuring instrument must be covered by relevant metrological certification that is valid in the country where the instrument is put into use.

1.1 Essential parts

Legally relevant parts named:

- LKScale.jar

These legally relevant parts run under the software package ASAR.

1.2 Essential characteristics

Operating system:

- Linux.

This point of sale can only be used in combination with a non-automatic weighing instrument that is built from the Teraoka weighing module AD2000 (TC8673) and display software RM 5800 Plus II (TC8131) and that performs price computation for weighed articles and non-weighed articles and displays the following primary indications to the vendor and customer:

- Weight;
- Unit price;
- Price to pay;
- Information about the correct zero-position;
- Indication of the preset tare value;
- Min, max and e.

Legally relevant functions:

- Interface to receive weighing data;
- Interface to send unit price to the weighing instrument for weighed articles;
- Interface to send unit price and number of articles to the weighing instrument for non-weighed articles;
- Interface to receive the calculated price for weighed articles and non-weighed articles;
- Totalization of transactions;
- Interface to send preset tare value;
- PLU function;
- Printing of the ticket for the customer;
- Indications other than primary indications;



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- Additional functions that facilitate trade and management.

Software protection:

- The software is placed on the hard disk;
- The software operates with protected software interfaces;
- The software is protected against intentional and unintentional changes by a checksum;
- The software will not operate if the legally relevant software has been tampered with.

Software specification (WELMEC 7.2):

- Software type P;
- Risk Class C;
- Extension S.

Software identification of point of sale:

The certificate number (TC12609) and the software version number can be accessed via authorization via the cashier number and password, followed by pressing , followed by pressing "Menù Gestione" icon, followed by pressing "75 Checksum Bilancia" button. Enter supervisor mode, confirm, enter supervisor number 801 and press "OK".

The point of sale will show the following information:

- Name of the producer;
- This certificate number TC12609;
- Program identification:

Program module	Version	Checksum
LKScale.jar	1.0.0.15	3BF87AB5

Software identification of weighing module AD2000 and display software RM 5800 Plus II:

Enter the cashier number and password, followed by pressing , followed by pressing "Menù Gestione" icon, followed by pressing "76 Versione AD Bilancia" button. Enter supervisor mode, confirm, enter supervisor number 801 and press "OK".

The point of sale will show the following information:

- Checksum of RM 5800 Plus II software (certificate TC8131);
- Version number of RM 5800 Plus II software (certificate TC8131);
- Filename of RM 5800 Plus II software (certificate TC8131);
- Version number of AD2000 weighing module (certificate TC8673).

Note: this method replaces the methods described in TC8131 and TC8673.

1.3 Essential shapes

Number	Pages	Description	Remarks
12609/0-01	1	Software block diagram	-
12609/0-02	2	Screenshots and print receipt	-

1.4 Conditional parts

Any computer, which has a CE marking may be used for instruments under this certificate.

The software may run on a non-automatic weighing instrument that is certified to run third party software.

The customer display has at least 2 lines of 20 characters.

The point of sale may be equipped with a simple recipient printer (see WELMEC 2.10 Issue 2021 clause 3.1.3).

1.5 Non-essential parts

The point of sale may be connected to non-essential devices, for example but not limited to bar code readers, foot switches, second display's and cash drawers, provided that:

- They do not present primary data used for purpose mentioned in Article 1(2), (a) to (f) of Directive 2014/31/EU unless the "Preliminary observation" in Annex I of the Directive is satisfied;
- They do not lead to an instrument having other conditional characteristics than those fixed by this certificate.

Other non-essential parts:

- VGA compatible display;
- Keyboard;
- Mouse;
- Customer display.

Non-legally relevant software and non-legally relevant parameters (see WELMEC 7.2 clause 2):

The software may contain files or programs that have non-essential properties, for example (but not limited to) invoice modules, database modules and operating system, provided that they do not lead to an instrument having other characteristic than those fixed by this certificate.

2 Seals

The point of sale uses software sealing. No hardware sealing is required.



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3 Conditions for conformity assessment

Other parties may use this Parts Certificate without the written permission of the producer.

For the connection of the point of sale with a weighing instrument the conformity assessment procedure of WELMEC 2.10 2021 clause 2 shall be taken into account.

4 Reports

An overview of performed tests is given in the evaluation report ER12609 revision 0.