Test Certificate
Parts Certificate

Number **TC13200** revision 1
Project number 3971480

Issued by	NMi Certin B.V.
In accordance with	WELMEC 8.8 2017, EN 45501:2015, WELMEC 2.10 2021, WELMEC 7.2 2023
Producer	Studio RS S.r.l. Via Traversagna ang. Via del Feo, 58/60 56019 Migliarino Pisano Italy
Measuring instrument	A **Point Of Sale**, tested as a part of a weighing instrument. Type : TauPos

Further properties are described in the annexes:
- Description TC13200 revision 1;
- Documentation folder TC13200-1 ;
- Evaluation report ER13200 revision 1.

An overview of performed tests is given in the annex:
- Description TC13200 revision 1.

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Remark	This revision replaces the previous version, except for its documentation folder.

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PRODUCTS
RvA C 681

Description

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:
- WeighingApp.jar.

These legally relevant parts run under the software package TauPos.

1.2 Essential characteristics

Operating system:
- Linux.

This point of sale can only be used in combination with a price-computing non-automatic weighing instrument that displays the following primary indications:
- Weighing result to the customer;
- Information about the correct zero-position to the customer and operator;
- Information about tare and preset tare operation to the customer;
- Unit price of weighed articles to the customer;
- Price to pay of weighed articles to the customer.

Legally relevant functions:
- Interface to receive weighing data;
- Price-computing for non-weighed articles;
- Totalization of transactions;
- Handling of non-weighed articles;
- Interface to send tare, preset tare and zero command;
- PLU function;
- Providing the indication of unit price and price to pay for non-weighed articles for the customer and the operator;
- Providing the indication of weighing result, information about the tare and preset tare;
- Printing of the ticket for the customer;
- Indications other than primary indications;
- Additional functions that facilitate trade and management.

Software protection:
- 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 U;
- Risk Class C;
- Extension O/S.

Software identification:
The point of sale will show the identification information when the following steps:
Login using:
Operator: 10000
Password: 42994
Then, click 'Welmec Info' on the right side of the screen. This button is also accessible when the measurement screen is shown at the bottom of the screen. It shows:
- Name of the producer;
- This certificate number TC13200;
- Program identification:
  - Version WeighingApp.jar: 1.0.x (x= 0…9 and indicates the non-legally relevant software);
  - Checksum value WeighingApp.jar: 6249B923;
  - Checksum value OS: 58B3D13B.

1.3 Essential shapes

Number	Pages	Description	Remarks
13200/0-01	1	Software block diagram	-

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 displays 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.

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 2.2 Issue 3 clause 2.2 shall be taken into account.

4 Reports

An overview of performed tests is given in the evaluation report ER13200 revision 1.