Test Certificate
Parts Certificate

Issued by	NMi Certin B.V.
In accordance with	WELMEC 8.8 2017, EN 45501:2015, WELMEC 7.2 2020.
Producer	Infotech Logistics B.V. Prof. Minckelersweg 4b 5144 NZ Waalwijk The Netherlands
Measuring instrument	A **Terminal with Data Storage Device**, tested as a part of a weighing instrument.

Type   :   UniWin

Further properties are described in the annexes:
- Description TC5788 revision 4;
- Documentation folder TC5788-2.

An overview of performed tests is given in the annex:
- Description TC5788 revision 4.

Initially issued	21 September 2000
Remarks	This revision replaces the earlier versions, including its documentation folder.

Issuing Authority

NMi Certin B.V.
29 July 2024

Certification Board

PRODUCTS
RvA C 681

1 General information about the Terminal with Data Storage Device

All properties of the Terminal with Data Storage Device, 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:
- WBDriver.dll;
- TallyRol.dll;
- Tally.tlr, or YYYYMMDD.tlr;
- Scalename.ini (the actual name of this file may differ for each installation and for each weighing instrument that is connected).

These legally relevant parts run under the software package UniWin.

1.2 Essential characteristics

Operating system:
- Windows.

Legally relevant functions:
- Interface to receive weighing data;
- Interface to send tare and zero command;
- Zero-indicating device;
- Handling of manual weight data;
- Determination of stability of equilibrium (in case a weighing instruments does not provide this information on the interface);
- Weight calculation (only in case of weighing instruments with an output in division instead of weight values);
- Multi-interval (only in case of weighing instruments with an output in division instead of weight values);
- Net calculation based upon two gross weight values;
- Gross weight calculation for combined and multi plate weighing instruments in accordance with WELMEC 2 2015 clause 3.1.16;
- Looking up weighing data;
- Printing of weighing data;
- Storage of weighing data in a protected file complying with EN 45501:2015 clause 5.5.3 and WELMEC 7.2 extension L:

- Older versions use one file (tally.tlr);
  - Newer versions use one file per day (YYYYMMDD.tlr);
- Preset tare function;
- Providing the primary indication for the operator;
- Checking for weight values being inside maximum capacity of the weighing instrument;
- Indications other than primary indications;
- The software can use serial communication or TCP/IP communication.

The legally relevant parameters are stored in Scalename.ini. When multiple weighing instruments are connected, each instrument has its own ini-file with its own name. The contents can be viewed by opening the file in a text editor. The ini-file(s) are protected by a checksum that can be viewed on command with the same method used to show the software identification.

Software protection:
- The software is placed on the hard disk or similar device in executable files;
- 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 L/ S.

Software identification:
The Terminal with Data Storage Device will show the software identification in the menu
"help / about". This menu will be shown with a right-click in the weight-indicating area installations with a mouse. The menu will show the following information:
- Name of the producer;
- This certificate number TC5788;
- Checksum of the ini-files;
- Program identification:

Program module	Checksum
WBDriver.dll	372DC0E9, or 0D7EAABC, or B4FA1281 62D7DB73
TallyRol.dll	69DD3E0D, or 885CE6F3, or 265E381A

If the touchscreen PC has no right-mouse available, the CRC-values can be shown by pointing the top-line in the weight-indicating area.

1.3   Essential shapes

Number	Pages	Description	Remarks
5788/4-01	1	UniWin as stand-alone function	-
5788/4-02	1	UniWin as service with one or more UniWin clients	-
5788/4-03	1	UniWin as service with one or more UniScreen clients	-
5788/4-04	1	UniWin as service with one or more UniWin and UniScreen clients	-

Any indicating device of the connected weighing instrument may or may not be visible for the operator. When the indicating device of the connected weighing instrument is not visible for the operator, Uniwin.exe or Uniscreen.exe is used as the primary indication.

1.4   Conditional parts

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

The Terminal with Data Storage Device may be equipped with a simple recipient printer (see WELMEC 2.10 Issue 2021 clause 3.1.3).

1.5   Non-essential parts

The Terminal with Data Storage Device 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:
- Hard drive or similar device;
- VGA compatible display;
- Touchscreen;
- Keyboard;
- Mouse;
- CD-ROM.

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 Terminal with Data Storage Device uses software sealing. No hardware sealing is required.

For these installations where Uniwin.exe or Uniscreen.exe is used as the primary indication, the checksum(s) of the Scalename.ini files(s) must be fixed and sealed by appropriate hardware means on the instrument.

3 Conditions for conformity assessment

The agreement between the indication by Uniwing and the indication of the weighing instrument (if available) shall be checked during the conformity assessment.

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

4 Reports

An overview of performed tests is given in the evaluation report ER5788 revision 4.