

Issued by	NMi Certin B.V., designated and notified by the Netherlands to perform tasks with respect to conformity modules mentioned in article 9 of Directive 2009/23/EC, after having established that the measuring instrument meets the applicable requirements of Directive 2009/23/EC, to:
Manufacturer	Xiamen Pinnacle Electrical Co. Ltd. 4F GuangXia Building Torch High-Tech Zone Xiamen CN 361006 FUJIAN P.R. of China
Measuring instrument	A Non-automatic weighing instrument Type : LS2 Series
Valid until	28 February 2018
Remarks	This revision replaces the earlier version(s), except for documentation folder.
	Further properties are described in the annexes – Description T7367 revision 2; – Documentation folder T7367-2.

Issuing Authority **NMi Certin B.V., Notified Body number 0122**
11 April 2013

C. Oosterman
Head Certification Board

NMi Certin B.V.
Hugo de Grootplein 1
3314 EG Dordrecht
The Netherlands
T +31 78 6332332
certin@nmi.nl
www.nmi.nl

This document is issued under the provision that no liability is accepted and that the applicant shall indemnify third-party liability.

The designation of NMi Certin B.V. as Notified Body can be verified at <http://ec.europa.eu/enterprise/newapproach/nando/>

Parties concerned can lodge objection against this decision, within six weeks after the date of submission, to the general manager of NMi (see www.nmi.nl).

Reproduction of the complete document only is permitted.

1 General information about the non-automatic weighing instrument

All properties of the non-automatic weighing instrument, whether mentioned or not, shall not be in conflict with the legislation.

1.1 Essential parts

See drawing 11 LS Series System Diagram, drawing number T7367-03;
 The electronics;
 The mechanical assembly with load cell.

EMC protection measures:

- The A/D board is shielded with a metal cover;
- Ferrite core around cable from AC input to transformer, 1 turn;
- Ferrite core around cable from load cell to A/D board, 1 turn.

1.2 Essential characteristics

Accuracy class	III
Maximum capacity	$6 \text{ kg} \leq \text{Max} \leq 15 \text{ kg}$
Verification scale interval	$e \geq 2 \text{ g}$
Maximum number of scale intervals	$n \leq 3000$ divisions (per partial weighing range)
Maximum partial weighing ranges	2
Temperature range	0 °C / +40 °C
Tare	$T \leq -9,995 \text{ kg}$
Weighing range(s)	Single interval Multi-interval
Power supply voltage	100 - 240 V AC 50/60 Hz
Application	Intended to be used for direct sales to the public Intended to be used for the making-up of prepackages

1.3 Essential shapes

The non-automatic weighing instrument is built according to the drawings:

- Exploded view, drawing number T7367-01;
- Exploded view, drawing number T7367-01b.

The descriptive markings plate is secured against removal by sealing or will be destroyed when removed.

Inside the cabinet is a calibration lock, located on the main board.

1.4 Conditional parts

The non-automatic weighing instrument may be equipped with peripheral equipment which is used for the applications listed in article 1(2)(a) of Directive 2009/23/EC, provided that the peripheral equipment is certified to be connected to an EC type-approved non-automatic weighing instrument by a Notified Body responsible for type examination under Directive 2009/23/EC, or that the equipment and the use of the equipment comply with the requirements of WELMEC 2.5 Issue 2 Section 2.2.

The non-automatic weighing instrument may be equipped with an Electronic Point of Sale (EPoS) or an Electronic Cash Register (ECR), provided that these EPOS and ECR are certified to be connected to an EC type-approved non-automatic weighing instrument by a Notified Body responsible for type examination under Directive 2009/23/EC.

The non-automatic weighing instrument may be equipped with Electronic Funds Transfer equipment (EFT/ECU), if these EFT/ECU represent only the price total on the display.

The non-automatic weighing instrument is fitted with a levelling device and a level indicator, unless the instrument is installed in a fixed position. A ring on the level indicator indicates when the maximum tilt is exceeded.

1.5 Non-essential parts

The non-automatic weighing instrument 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 purposes mentioned in article 1(2)(a) of Directive 2009/23/EC unless the "preliminary observations" in Annex 1 of this directive is satisfied;
- They do not lead to an instrument having other essential characteristics than those fixed by this type-approval document.

Other non-essential parts:

- External power supply.

2 Information about the main constituent parts of the non-automatic weighing instrument

2.1 The electronics

2.1.1 Essential parts

Number	Pages	Description	Remarks
T7367-04	4	Mainboard	Drawing of mainboard Parts list

2.1.2 Essential characteristics

List of legally relevant functions:

- Indication of stable equilibrium;
- Zero indicator;
- Semi-automatic zero-setting;
- Initial zero-setting;
- Zero-tracking;
- Semi-automatic subtractive tare balancing;
- Gravity compensation;
- Calibration / set-up mode via a switch on the main board;
- Acting upon significant faults;
- Checking the display;
- Price calculation;
- PLU function.

When equipped with a printer the following legally relevant function may be present:

- Memory storage;
- Non-weighed articles;
- Totalization;
- Price labeling.

2.1.3 Conditional parts

The non-automatic weighing instrument may be equipped with one or more of the following protective interfaces that have not to be secured:

- Ethernet.

2.1.4 Non-essential parts

Display;
 Keyboard;
 Internal printer;

2.2 The mechanical assembly with load cell

2.2.1 Essential parts

Number	Pages	Description	Remarks
T7367-05	1	Load cell Datasheet	Specifications Of Scale LS2615EC

2.2.2 Essential characteristics

$e \geq E_{\max}/7000$, or $e_1 \geq E_{\max}/10000$ in case of multi-interval instrument;
 Excitation power supply 5 V DC.

2.2.3 Essential shapes

See drawings in chapter 2.2.1.

3 Seals

To secure components that may not be dismantled or adjusted by the user, the non-automatic weighing instrument has to be secured in a suitable manner on the locations indicated in the drawing:

- Sealing Protection, drawing number T7367-02.

4 Conditions for conformity assessment

The marks, facilities for the marks and the inscriptions on the non-automatic weighing instrument fulfill the requirements of article 1 of Annex IV of Directive 2009/23/EC.

In case the weighing instrument is equipped with an Electronic Point of Sale (EPoS) the conformity assessment procedure of Welmec 2.2 Issue 3 chapter 2.2 shall be taken into account.