

Issued by NMI Certin B.V.,
designated and notified by the Netherlands to perform tasks with respect to conformity procedures mentioned in Article 13 of Directive 2014/31/EU, after having established that the measuring instrument meets the applicable requirements of Directive 2014/31/EU, to:

Manufacturer Precisa Gravimetrics AG
Moosmattstrasse 32
CH-8953 Dietikon
Switzerland

Measuring instrument **A Non-automatic weighing instrument**
Type : Serie LX/LS/LT

Further properties are described in the annexes:

- Description T7911 revision 5;
- Documentation folder T7911-5.

Valid until 13 June 2033

Initially issued 13 June 2013

Remark This revision replaces the earlier versions, including its documentation folder.

Issuing Authority **NMI Certin B.V., Notified Body number 0122**
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Certification Board

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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.

This certificate was put on hold between 13 June 2023 and 22 June 2023.

1.1 Essential parts

The electronics;
 The mechanical assembly with load cell.

See block diagram:

Number	Pages	Description	Remarks
7911/0-07	1	Block diagram	-

EMI protection measure:

- The instrument has a metal enclosure.

1.2 Essential characteristics

Accuracy class	I	II
Maximum capacity	120 g ≤ Max ≤ 1220 g	160 g ≤ Max ≤ 10200 g
Verification scale interval	e ≥ 1 mg	e ≥ 10 mg
Weighing range	Single interval	
Maximum number of scale intervals	n ≤ 320000 divisions	
Tare	T ≤ -Max	
Temperature range	+15 °C / +25 °C	+10 °C / +30 °C
Power supply voltage	100 – 240 V AC 50/60 Hz (with external adapter) 12 V DC (supplied by external adapter)	

Software identification for all accuracy classes:

Software identification	Type	LX/LS	LT
	Version number	xx.xx ExxD01	xx.xx ExxD00
x = 0, 1, ..., Z			

The software identification is displayed at start-up.

The non-automatic weighing instrument has embedded software.

1.3 Essential shapes

Number	Pages	Description	Remarks
7911/1-01	5	Outline drawings	LS-LX-LT
7911/3-01	3	Outline drawings (alternative)	LS-LX-LT
7911/1-02	6	Exploded views	LS-LX-LT
7911/2-01	5	Exploded views (alternative)	LS-LX-LT Index d
7911/5-01	5	Exploded views (alternative)	LS-LX-LT Index d1

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

1.4 Conditional parts

The instrument may be equipped with the following parts that further process the measurement result without modification under the conditions stated in the table:

Part	Condition(s)	Reference document
Simple recipient printer	CE marking present	WELMEC 2.10 clause 3.1.3
Printer Data Storage Device	CE marking present and the part is certified to be connected to a weighing instrument by a Notified Body responsible for type examination under Directive 2014/31/EU.	WELMEC 2.10 clause 3.1.3

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 displays and cash drawers, provided that:

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

Other non-essential parts:

- AC/DC adapter;
- Draft shield.

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
7911/1-03	9	Main board parts list & layout	Index h
7911/5-02	9	Main board parts list & layout	Index i

2.1.2 Essential characteristics

List of legally relevant functions:

- Determination stability of equilibrium;
- Indication of stable equilibrium;
- Zero indicator;
- Semi-automatic zero-setting;
- Initial zero-setting;
- Zero-tracking;
- Semi-automatic subtractive tare balancing;
- Preset tare;
- Adjustment / set-up mode via a push button on the main board;
- Automatic span adjustment with internal adjustment mass; operational when:
 - After switch on
 - $\Delta t \geq 3 \text{ }^\circ\text{C}$
 - On every ≤ 24 hours
- Semi-automatic span adjustment with internal adjustment mass;
- Semi-automatic span adjustment with external adjustment mass;
- Acting upon significant faults;
- Checking the display;
- Check weighing mode;
- Weighing unstable samples;
- Weight unit selection (g, mg, ct).

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

- Indications other than primary indications;
- Indication of additional information;
- Memory storage.

2.1.3 Conditional parts

Number	Pages	Description	Remarks
7911/0-04	2	Interface board layout & parts list	Index b
7911/5-03	5	Interface board layout & parts list	Index d

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

- RS232;
- USB.

2.1.4 Non-essential parts

Display;
 Keyboard.

2.2 The mechanical assembly with load cell

2.2.1 Essential parts

Number	Pages	Description	Remarks
7911/0-06	5	Weighing cell assembly	Index b
7911/2-02	5	Weighing cell assembly (alternative)	Index f
7911/5-04	5	Weighing cell assembly (alternative)	Index a

2.2.2 Essential characteristics

Number	Pages	Description	Remarks
7911/0-08	2	Weighing cell specifications	-

2.2.3 Essential shapes

See 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:

Number	Pages	Description	Remarks
7911/0-05	1	Sealing	-

Inside the cabinet is a push button for adjustment, located on the main board.

4 Conditions for conformity assessment

The marks, facilities for the marks and the inscriptions on the non-automatic weighing instrument fulfil the requirements of Directive 2014/31/EU Annex III clause 1.