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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 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 2;
- Documentation folder T7911-3.

Valid until 13 June 2023

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

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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.

### 1.1 Essential parts

The electronics;  
 The mechanical assembly with load cell.

See block diagram:

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

EMI protection measures:

- 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(s)	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	Type LX/LS	Version number: xx.xx ExxD01	x = 0, 1, ..., Z
	Type LT	Version number: xx.xx ExxD00	

Software:

- The identification will be displayed at start-up.

### 1.3 Essential shapes

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

Number	Pages	Description	Remark
7911/1-01	5	Outline drawings	-
7911/1-02	6	Exploded views	-
7911/2-01	5	Exploded views	-

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

Inside the cabinet is an adjustment 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 a 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 complies with the requirements of WELMEC 2.5 Issue 2, 2.2.

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:

- AC/DC adapter.

## 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	Remark
7911/1-03	9	Main board parts list & layout	-

#### 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;
- Calibration / set-up mode via a switch on the main board;
- Automatic span adjustment with internal calibration mass; operational when:
  - After switch on
  - $\Delta t \geq 3 \text{ }^\circ\text{C}$
  - On every  $\leq 24$  hours
- Semi-automatic span adjustment with internal calibration mass;
- Semi-automatic span adjustment with external calibration 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;
- Non-weighed articles;
- Totalization;
- Multi-vendor;
- Price labeling.

### 2.1.3 Conditional parts

Number	Pages	Description	Remark
7911/0-04	2	Interface board layout & parts list	-

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;  
 Printer.

## 2.2 The mechanical assembly with load cell

### 2.2.1 Essential parts

Number	Pages	Description	Remark
7911/0-06	5	Weighing cell assembly	-
7911/2-02	5	Weighing cell assembly	-

## 2.2.2 Essential characteristics

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

## 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:

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

## 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.