

Issued by NMI Certin B.V.,  
designated and notified by the Netherlands to perform tasks with respect to conformity modules 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 390

Further properties are described in the annexes:

- Description T11031 revision 0;
- Documentation folder T11031-1.

Valid until 8 September 2027

Issuing Authority **NMI Certin B.V., Notified Body number 0122**  
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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	Remarks
11031/0-01	1	Block diagram	-

EMI protection measures:

- The instrument has a metal enclosure;
- Ferrite on cable between terminal board and sensor board.

### 1.2 Essential characteristics

Accuracy class	Ⓢ
Maximum capacity	Max ≤ 320 g
Actual scale interval	e ≥ 1 mg
Weighing range	Single interval
Maximum number of scale intervals	n ≤ 320000 divisions
Tare	T ≤ -Max
Temperature range	+ 15 °C / + 25 °C
Power supply voltage	100 – 240 V AC 50/60 Hz
Software identification	Sensor: Version number: Fxx-xxxx Exx (x = 0 ... 99) Checksum: 0330  Terminal: Legally relevant ID: 1.0.1

The software identification is displayed after pressing the key sequence on the terminal:

- Swipe to the right and press 'Settings';
- Scroll down to press 'About device';
- Press 'Show' in 'Device information'.

The non-automatic weighing instrument has embedded software.

### 1.3 Essential shapes

Number	Pages	Description	Remarks
11031/0-02	2	Outline drawings	-
11031/0-03	3	Exploded views	Including parts list

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

The inscriptions Max, Min, e, as required by Directive 2014/31/EU Annex III point 1.4 are presented in the display by software.

### 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) to (f) of Directive 2014/31/EU, 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 2014/31/EU, or, that the equipment and the use of the equipment complies with the requirements of WELMEC 2.5 Issue 2 clause 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. The level indicator is displayed by the terminal and when maximum tilt is exceeded weighing is made impossible until tilt is fixed.

### 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 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 essential characteristics than those fixed by this certificate.

## 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
11031/0-04	10	Sensor board	Including parts list
11031/0-05	4	AD board	Including parts list

#### 2.1.2 Essential characteristics

List of legally relevant functions:

- Determination stability of equilibrium;
- Semi-automatic zero-setting;
- Initial zero-setting;
- Semi-automatic subtractive tare weighing;
- Automatic span adjustment with internal calibration mass, operational:
  - after switch on;
  - when  $\Delta t = 1 \dots 10 \text{ }^\circ\text{C}$  (adjustable);
  - every 24 hours .
- Semi-automatic span adjustment with internal adjustment mass;
- Acting upon significant faults;
- Check weighing;
- Weighing unstable samples;
- Weight unit selection (g, mg, ct);
- Auxiliary indicating device.

### 2.1.3 Conditional parts

AC/DC plug-in power supply.

Brand	Type	Remarks
Adapter Tech	ATS036T-P120	-

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

- RS232;
- Ethernet;
- USB host;
- USB device.

### 2.1.4 Non-essential parts

Terminal.

## 2.2 The mechanical assembly with load cell

### 2.2.1 Essential parts

Number	Pages	Description	Remarks
11031/0-06	2	Weighing cell assembly	-

### 2.2.2 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 drawings:

Number	Pages	Description	Remarks
11031/0-07	1	Sealing	-

## 4 Conditions for conformity assessment

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