

Issued by

NMi Certin UK (TIC) Ltd.,  
appointed and approved by the Secretary of State to perform tasks with respect to conformity assessment procedures mentioned in regulation 36 of the Non-automatic Weighing Instruments Regulations 2016 as amended, after having established that the Non-automatic Weighing Instrument meets the applicable requirements of the Non-automatic Weighing Instruments Regulations 2016 as amended, to:

Manufacturer

Precisa Gravimetrics AG  
Moosmattstrasse 32  
CH-8953 Dietikon  
Switzerland

Measuring instrument

**A Non-automatic weighing instrument**

Type : 520 Series (PT: with touch screen, PB: with LCD screen)

Further properties are described in the annexes:

- Description T12340-UK revision 0;
- Documentation folder T12340-UK-1.

Valid until

9 March 2033

Issuing Authority

**NMi Certin UK (TIC) Ltd., Approved Body number 8506**  
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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.

See block diagram:

Number	Pages	Description	Remarks
12340-UK/0-01	1	Block diagram	-

EMI protection measures:

- Ferrite on cable between connector board and main board;
- Ferrite on the power adapter cable.

### 1.2 Essential characteristics

Accuracy class	Ⓘ	Ⓜ
Maximum capacity	$0,01 \text{ g} \leq \text{Max} \leq 220 \text{ g}$	$620 \text{ g} \leq \text{Max} \leq 10200 \text{ g}$
Verification scale interval	$e \geq 0,001 \text{ g}$	$e \geq 0,01 \text{ g}$
Actual scale interval	$e = 10 \text{ d}$	
Weighing range	Single interval	
Maximum number of scale intervals	$n \leq 220000$	$n \leq 62000$
Tare	$T \leq -\text{Max}$	
Temperature range	$+15 \text{ }^\circ\text{C} / +25 \text{ }^\circ\text{C}$	$+10 \text{ }^\circ\text{C} / +30 \text{ }^\circ\text{C}$
Power supply voltage	100 – 240 V AC 50/60 Hz	
Software identification	Check number	0330 (PB and PT version)
	Firmware version	00,00ExxG00 (PB version) G01-0000 Exx (PT version) (xx=00...99)

The software identification is displayed:

- For PB series: during start-up of the instrument;
- For PT series: by pressing "Menu" "Settings" "About device" "Device information".

The non-automatic weighing instrument has embedded software.

### 1.3 Essential shapes

Number	Pages	Description	Remarks
12340-UK/0-02	7	Outline drawings	-
12340-UK/0-03	8	Exploded views	Including parts list

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

Inscriptions:

- fulfil the requirements stated in the Non-automatic Weighing Instruments Regulations 2016 as amended Schedule 8 and EN45501:2015 clause 7.

The inscriptions Max, Min, e, as required by the Non-automatic Weighing Instruments Regulations 2016 as amended Schedule 8 regulation 1.4 are presented in the display by software.

### 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 or UK marking present	WELMEC 2.10 clause 3.1.3
Printer Data Storage Device	CE marking or UK 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, or by an Approved Body responsible for type examination under the Non-automatic Weighing Instruments Regulations 2016 as amended.	WELMEC 2.10 clause 3.1.3

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 device;
- USB host.

Power supply:

- AC/DC plug-in power supply: Adapter Tech, ATS036T-P120

## 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 applications listed in the Non-automatic Weighing Instruments Regulations 2016 as amended regulation 3(2), (a) to (f), unless the (Preliminary observation) in the Non-automatic Weighing Instruments Regulations 2016 as amended Schedule 6 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
12340-UK/0-04	6	Schematic diagram of main board	-
12340-UK/0-05	7	Parts list main board	-

#### 2.1.2 Essential characteristics

List of legally relevant functions:

- Determination stability of equilibrium;
- Semi-automatic zero-setting;
- Automatic zero-setting;
- Initial zero-setting;
- Zero-tracking;
- Semi-automatic subtractive tare balancing;
- Preset tare;
- Adjustment / set-up mode via a switch on the connector board;
- Automatic span adjustment with internal calibration mass, operational:
  - after switch on;
  - when  $\Delta t \geq 3$  °C;
  - every 24 hours.
- Semi-automatic span adjustment with internal calibration mass;
- Semi-automatic span adjustment with external calibration mass (only for class I instruments);
- Acting upon significant faults;
- Checking the display;
- Weighing unstable samples.

## 2.1.3 Conditional parts

Number	Pages	Description	Remarks
12340-UK/0-06	3	Schematic diagram of connector board	-
12340-UK/0-07	3	Parts list connector board	-

## 2.1.4 Non-essential parts

Display;  
 Keyboard.

## 2.2 The mechanical assembly

### 2.2.1 Essential parts

Number	Pages	Description	Remarks
12340-UK/0-08	7	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
12340-UK/0-09	1	Sealing	-

Inside the cabinet is an adjustment lock, located on the connector 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 Non-automatic Weighing Instruments Regulations 2016 as amended Schedule 1 and Schedule 8.