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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:

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P.R. China

Measuring instrument **A Non-automatic weighing instrument**  
Type : B Series (BPS, BRS, BLS models)

Further properties are described in the annexes:  
– Description T12392 revision 0;  
– Documentation folder T12392-1.

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Issuing Authority

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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.

### 1.1 Essential parts

The indicator;  
 The mechanical assembly with load cell.

EMI protection measures:

- A/D board shielded with metal cover.

### 1.2 Essential characteristics

Accuracy class	III
Maximum capacity	$6 \text{ kg} \leq \text{Max} \leq 30 \text{ kg}$
Verification scale interval	$e \geq 2 \text{ g}$
Weighing range(s)	Single interval Multi-interval
Maximum number of scale intervals (one weighing range)	$n \leq 3000$
Maximum number of scale intervals (multi-interval)	$n \leq 3000$ (per partial weighing range)
Maximum number of partial weighing ranges	2
Tare	$T \leq -50\%$ for instruments with one weighing range $T \leq -\text{Max}_1$ for multi-interval instruments
Temperature range	$-10 \text{ }^\circ\text{C} / +40 \text{ }^\circ\text{C}$
Power supply voltage	100 – 230 V AC 50/60 Hz or 5 V DC battery
Application	Intended to be used for direct sales to the public
Software identification	V02.xx.xx (xx = 00... 99)
Version number	

The software identification is displayed at start-up.

The non-automatic weighing instrument has embedded software;

The instrument can be used as a self-service scale.

## 1.3 Essential shapes

Number	Pages	Description	Remarks
12392/0-01	4	Outline drawings	-
12392/0-02	3	Exploded views	-

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
Point of Sale (POS)	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 2.2
Price Totalizer Price Computing 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
Electronic Funds Transfer equipment (EFT)	CE marking present and the EFT represents only the price total on the display.	-

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

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 (only for BRS- and BLS models);
- USB (only for BRS- and BLS models).

Power supply:

- AC/DC plug-in power supply:

Brand	Models	Remarks
Something High Electric (Xiamen) Company Inc.	P12B-XXXXYY Z P9-XXXXYY Z	-

## 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:

- Internal printer.

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

### 2.1 The indicator

#### 2.1.1 Essential parts

Number	Pages	Description	Remarks
12392/0-03	3	A/D board	Including parts list

#### 2.1.2 Essential characteristics

Maximum number of scale intervals	$n \leq 6000$ divisions
Load cell excitation voltage	5 V DC
Minimum input voltage per verification scale interval	1,5 $\mu$ V
Minimum load cell resistance	350 $\Omega$
Maximum load cell resistance	1050 $\Omega$
Fraction of the maximum permissible error	0,5
Load cell connection	4-wire
Maximum value of the cable length per cross wire section between the indicator and the junction box or load cells	The load cells are connected directly without junction box

List of legally relevant functions:

- Determination stability of equilibrium;
- Indication of stable equilibrium;
- Zero indicating;
- Semi-automatic zero-setting;
- Initial zero-setting;
- Zero-tracking;
- Semi-automatic subtractive tare weighing;
- Preset tare;
- Gravity compensation;
- Acting upon significant faults;
- Checking the display;
- Price calculation;
- PLU;
- Memory storage;
- Non-weighed articles;
- Totalization;
- Price labelling.

### 2.1.3 Conditional parts

Number	Pages	Description	Remarks
12392/0-04	4	Main board (only for BRS- and BLS models)	Including parts list
12392/0-05	2	Communication board (only for BRS- and BLS models)	Including parts list

### 2.1.4 Non-essential parts

- Display;
- Keyboard.

## 2.2 The mechanical assembly with load cell

### 2.2.1 Essential parts

Producer	Type	Certificate number
ZEMIC	L6D	TC7868

Or any analog passive load cell(s) may be used under this certificate for instruments as described in WELMEC 2.4 Issue 2021, provided the following conditions are met:

- There is a respective certificate (EN45501) or an OIML Certificate (R 60) issued for the load cell by a Notified Body responsible for type examination under Directive 2014/31/EU or Directive 2014/32/EU.
- The load cell shall comply with humidity class **CH** or **SH**;

- The certificate contains the load cell types and the necessary load cell data required for the manufacturer's declaration of compatibility of modules (EN 45501:2015 clause F.4), and any particular installation requirements;
- The compatibility of load cells and indicator is established by the manufacturer by means of the compatibility of modules form, contained in EN 45501:2015 clause F.4, at the time of putting into use;
- The load transmission must conform to one of the examples shown in WELMEC 2.4 Issue 2021.

## 2.2.2 Essential shapes

Number	Pages	Description	Remarks
12392/0-02	3	Exploded views	-

## 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
12392/0-06	3	Sealing	-

Inside the cabinet is an adjustment lock, 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.

The compatibility of load cells and indicator is established by the manufacturer by means of the compatibility of modules form, contained in EN 45501:2015 clause F.4 or clause F.5, at the time of putting into use.

In case the non-automatic weighing instrument is equipped with a Point Of Sale the conformity assessment procedure of WELMEC 2.2 Issue 3 clause 2.2 shall be taken into account.