

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 Soehnle Industrial Solutions GmbH
Gaidorfer Strasse 6
DE-71522 Backnang
Germany

Measuring instrument **A Non-automatic weighing instrument**
Type : 3820

Further properties are described in the annex:
– Description T12394 revision 0.

Valid until 19 August 2032

Issuing Authority NMI Certin B.V., Notified Body number 0122
19 August 2022

Certification Board

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This document is issued under the provision that no liability is accepted and that the manufacturer shall indemnify third-party liability.

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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 contains references to other certificates. The properties mentioned in these certificates shall be observed in addition to the properties mentioned in this certificate.

1.1 Essential parts

Indicator:

Producer	Type	Certificate number
Soehnle Industrial Solutions GmbH	3820	TC12395

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.

1.2 Essential characteristics

Accuracy class	Ⓜ or ⓂⓂ
Maximum number of scale intervals	$n \leq$ number of scale intervals in the certificates involved

1.3 Essential shapes

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 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.

2 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 certificates involved.

The connecting cable of the load cell or the junction box is provided with possibility to seal.

3 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, at the time of putting into use.

Issued by NMI Certin B.V.

In accordance with WELMEC 8.8 2017, EN 45501:2015, OIML R 76-1 (2006).

Producer Soehnle Industrial Solutions GmbH
Gaidorfer Strasse 6
DE-71522 Backnang
Germany

Measuring instrument An **Indicator**, tested as a part of a weighing instrument.

Type : 3820

Further properties are described in the annexes:

- Description TC12395 revision 0;
- Documentation folder TC12395-1.

An overview of performed tests is given in the annex:

- Description TC12395 revision 0.

Issuing Authority

NMI Certin B.V.
28 July 2022

Certification Board

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1 General information about the indicator

All properties of the indicator, whether mentioned or not, shall not be in conflict with the standard mentioned in the certificate.

This certificate is the positive result of the applied voluntary, modular approach, for a component of a measuring instrument, as described in WELMEC 8.8. The complete measuring system must be covered by an EC type-approval certificate, an EU-type examination certificate, or an approval that is valid in the country where the indicator is taken into service.

1.1 Essential parts

Number	Pages	Description	Remarks
12395/0-01	1	Block diagram	-
12395/0-02	4	PCB layout	Including parts list

EMI protection measures:

- The A/D board is shielded with a metal cover.

1.2 Essential characteristics

Configuration	Analog load cells
Accuracy class	Ⓜ or ⓂⓂ
Weighing range(s)	Single interval Multi-interval Multiple range
Maximum number of scale intervals (one weighing range)	$n \leq 10000$
Maximum number of scale intervals (multi-interval)	$n \leq 10000$ (per partial weighing range)
Maximum number of partial weighing ranges	3
Maximum number of scale intervals (multiple range)	$n \leq 10000$ (per weighing range)
Maximum number of weighing ranges	3
Load cell excitation voltage	5 V DC
Minimum signal input voltage	$U_{\min} = 0 \text{ mV}$
Minimum input voltage per verification scale interval	0,22 μV
Minimum load cell resistance	80 Ω
Maximum load cell resistance	1250 Ω

Fraction of the maximum permissible error	0,5
Load cell interface	6-wire with sense technology or 4-wire
Maximum value of the cable length per cross wire section between the indicator and the junction box or load cells	3279,1 m/mm ² In case sense technology is not used the load cells are connected directly without junction box or extension cable
Temperature range	-10 °C / +40 °C
Power supply voltage	6,3 – 14 V DC powered by AC/DC plug-in power supply or external battery 6,4 – 9,0 V internal battery
Software identification legally relevant software	Version number: L 1.xx (xx = 03...99)
Software identification User software (non-legally relevant)	Version number U x.xx

Software:

- The identification number of the legally relevant software will be displayed at start-up or alternatively by pressing the INFO key two times and the pressing the up and down keys. The legally relevant software identification has the prefix "L".
- The indicator has embedded software.

List of legally relevant functions:

- Determination stability of equilibrium;
- Zero indicating;
- Semi-automatic zero-setting;
- Initial zero-setting (up to 100% of Max);
- Zero-tracking;
- Semi-automatic subtractive tare balancing;
- Preset tare;
- The adjustment mode is secured with a password, and sealed with an event counter that contains a number that will be incremented each time any parameter changes or adjustment is made and saved;
- Acting upon significant faults;
- Checking the display;
- Price calculation (not for direct sales applications);
- Check weighing mode;
- Hold mode: (in accordance with WELMEC 2, 2015 3.1.69) when pressing the F-key (to be activated in UCAL mode) the indication freezes after introducing a weight. The hold mode is deactivated at zero;
- Weight unit selection (kg, g);
- Linearity compensation: the linearity can be compensated to a maximum of 4 points (including zero) for each connected platform;
- Extended indicating, resolution 1/10 e for a period not exceeding 5 seconds after a manual command (pressing zero and send key simultaneously);
- Data Storage Device that complies with OIML R 76 (2006) clause 5.5.3 and EN 45501:2015 clause 5.5.3. (alibi memory)

1.3 Essential shapes

Number	Pages	Description	Remarks
12395/0-03	3	Outline drawings and exploded views	-

The descriptive markings plate is secured against removal by sealing or will be destroyed when removed and contains at least the following information:

- This certificate number TC12395;
- The event counter value;
- Producers name or mark.

1.4 Conditional characteristics

Non-legally relevant functions:

- Counting mode.

1.5 Conditional parts

The indicator may be equipped with one or more of the following protective interfaces that have not to be secured:

- RS232;
- Ethernet;
- USB;
- RS485/422;
- Digital output;
- Bluetooth;
- WLAN.

Interfaces shall be limited in length ≤ 30 meters.

1.6 Non-essential parts

AC/DC plug-in power supply;
 Display;
 Keyboard;
 Battery (external or internal).

2 Seals

To secure components that may not be dismantled or adjusted by the user, the indicator has to be secured in a suitable manner on the locations indicated in the drawings:

Number	Pages	Description	Remarks
12395/0-04	1	Sealing	-

The connecting cable of the load cell or the junction box is provided with possibility to seal. For the identification of the load cell by the indicator in each platform, an "Ident-chip" may be installed



Description

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(option visible when pressing "2x the Info key"). In this case the load cell terminals do not need to be secured by a verification mark. The location of the Ident-chip is provided with the possibility to seal.

The event counter value can be displayed by pressing the info key twice. The counter is prefixed with 'E'.

The current event counter value matches the counter value mentioned in the inscriptions.

3 Conditions for conformity assessment

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 inscriptions contain the value of the event counter at the time of conformity assessment.

Other parties may use this Evaluation Certificate only with the written permission of the producer.

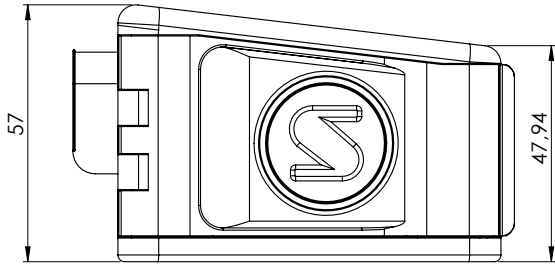
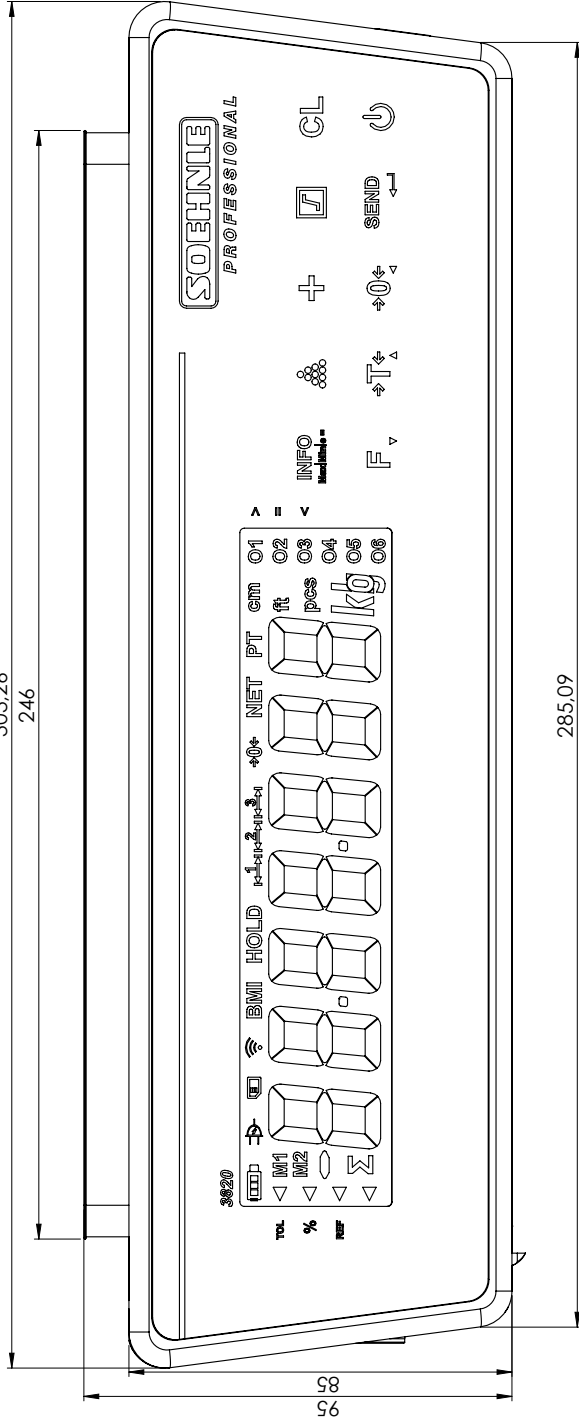
This instrument must be installed in a situation where the risk of a significant influence of surges is not expected.

When the instrument has an initial zero-setting range greater than 20% of Max, the procedure of EN45501:2015 A.4.4.2 shall be considered.

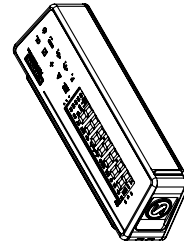
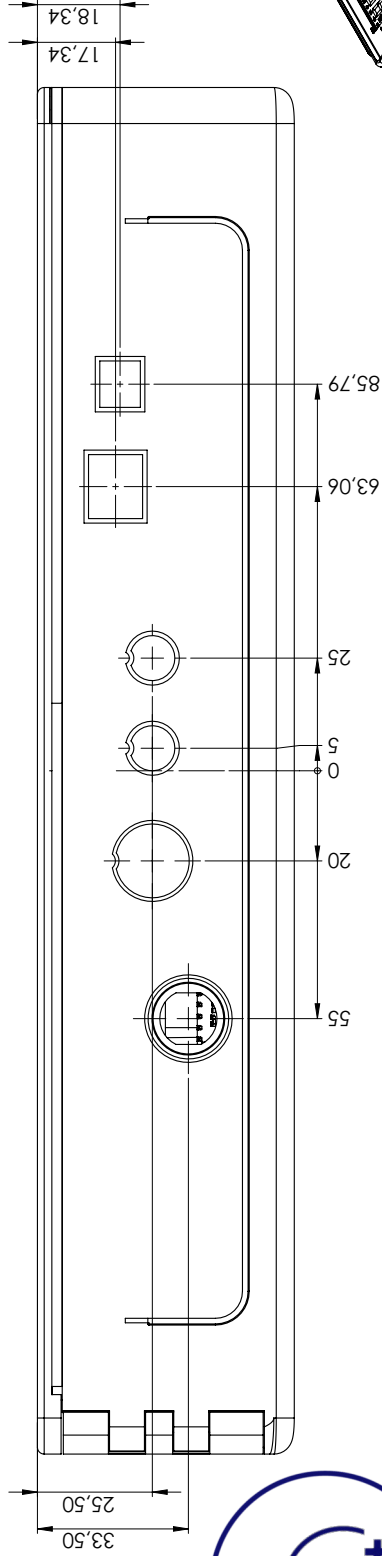
4 Reports

An overview of performed tests is given in the evaluation report ER12395 revision 0.

303,26
246



285,09



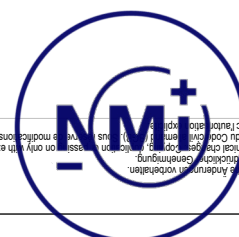
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Maßblatt / Dimension sheet / Fiche technique

Standortskizze / Zeichnung: Nr. / Drawing: No. / Numero di disegno: Y-9476-9
 Blatt / Page: 1
 Date / Datum: 12.04.2022
 Name / Nom: M. Richter
 Version: 1.0
 Maßstab / Dimension / Echelle: 1:1
 Gewicht / Weight / Poids: 1,1 kg

Maßblatt Anzeigegerät 38XX/
 dimension sheet/feuille de cotes

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