EU-type examination certificate

Number **T12142** revision 0
Project number 2584671

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

Intercomp Company
3839 Country Road 116
Medina, MN 55340
United States of America

Measuring instrument

A **Non-automatic weighing instrument**
Type : LP788

Further properties are described in the annexes:
– Description T12142 revision 0;
– Documentation folder T12142-1.

Valid until

23 July 2031

Issuing Authority

NMi Certin B.V., Notified Body number 0122
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Certification Board

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INSPECTION RvA I 122

Description

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.

1.2 Essential characteristics

Accuracy class	(IIII)
Maximum capacity	Max ≤ 15000 kg
Verification scale interval	e ≥ 50 kg
Weighing range	Single interval
Maximum number of scale intervals	n ≤ 200
Temperature range	-10 °C / +40 °C
Power supply voltage	4,8 V DC battery
Application	Intended to be used for enforcement
Software identification	LP4xx (x is a number between 0 and 9 and represents the non-legally relevant software)

The software identification is displayed at start-up.

The non-automatic weighing instrument has embedded software.

The instrument can be used in a network for:
- Determining the total mass of a vehicle.

1.3 Essential shapes

Number	Pages	Description	Remarks
12142/0-01	2	Exploded view	-

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 instrument may be equipped with a simple recipient printer as defined in WELMEC 2.10 2020 clause 3.1.3 if this printer bears the CE marking. This printer may be used for the applications listed in Directive 2014/31/EU Article 1(2), (a) to (f).

The instrument may be equipped with a Printer and/or Data Storage Device as defined in WELMEC 2.10 2020 clause 3.1.3 if the Printer and/or Data Storage Device is certified to be connected to a weighing instrument by a Notified Body responsible for type examination under Directive 2014/31/EU. This Printer and/or Data Storage Device may be used for the applications listed in Directive 2014/31/EU Article 1(2), (a) to (f).

The non-automatic weighing instrument must be placed on flat level ground such that the entire underside of the weighing area is supported, additionally is the instrument 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.

Groups of associated LP788 instruments may be used for determining the total mass of a vehicle only if all wheels are supported simultaneously. In which case the entire vehicle should be on flat, level ground.

The non-automatic weighing instrument may be equipped with one or more of the following protective interfaces that have not to be secured:
- RS485;
- Wireless module.

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.

Other non-essential parts:
- Battery.

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
12142/0-02	4	Main board	with incorporated A/D board

2.1.2 Essential characteristics

List of legally relevant functions:
- Determination stability of equilibrium;
- Zero indicating;
- Accumulation of weight values from multiple instruments;
- Semi-automatic zero-setting;
- Initial zero-setting;
- Zero-tracking;
- Adjustment / set-up mode via a switch on the main board;
- Acting upon significant faults;
- Checking the display;
- Check weighing;
- Weight unit selection (kg, lb).

2.2 The weighing module / mechanical assembly with load cell

2.2.1 Essential parts

Number	Pages	Description	Remarks
12142/0-01	2	Exploded view	-

2.2.2 Essential characteristics

$e \geq E_{max}/ 200$;
Excitation voltage 3,3 V DC.

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
12142/0-03	1	Sealing	-

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

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.