

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 A&D Instruments Ltd.
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United Kingdom

Measuring instrument **A Non-automatic weighing instrument**
Type : SJ-WP

Further properties are described in the annexes:
– Description T11662 revision 0;
– Documentation folder T11662-1.

Valid until 23 August 2029

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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
11662/0-01	1	Block diagram	-

EMI protection measures:

- A/D board shielded with metal cover;
- Ferrite on cable between main board and joint board.

1.2 Essential characteristics

Accuracy class	III
Maximum capacity	$3 \text{ kg} \leq \text{Max} \leq 30 \text{ kg}$
Verification scale interval	$e \geq 0,5 \text{ g}$
Weighing range(s)	Multi-interval
Maximum number of scale intervals (multi-interval)	$n \leq 3000$ (per partial weighing range)
Maximum number of partial weighing ranges	2
Tare	$T \leq -\text{Max}$
Temperature range	$-10 \text{ °C} / +40 \text{ °C}$
Power supply voltage	9 V DC battery
Software identification	Version number P-1.xx (x = 0... 99)

The software identification is displayed after pressing the key sequence:

- With the instrument turned off - press and hold the tare button – press the zero/On/Off button.

The non-automatic weighing instrument has embedded software.

1.3 Essential shapes

Number	Pages	Description	Remarks
11662/0-02	3	Exploded view	Including parts list
11662/0-03	2	Outline drawing	-

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 calibration board (CAL board).

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. 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:

- Bluetooth.

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
11662/0-04	3	Mainboard	Including parts list
11662/0-05	3	Keyboard, calibration board, load cell (joint) board and BLE board	Including parts list

2.1.2 Essential characteristics

List of legally relevant functions:

- Determination stability of equilibrium;
- Zero indicating;
- Semi-automatic zero-setting;
- Initial zero-setting;
- Zero-tracking;
- Semi-automatic subtractive tare balancing;
- Gravity compensation;
- Adjustment / set-up mode via a switch on the calibration board;
- Checking the display.

2.1.3 Non-essential parts

Display;
 Keyboard.

2.2 The mechanical assembly with load cell

2.2.1 Essential parts

Number	Pages	Description	Remarks
11662/0-02	3	Exploded view	Including parts list
11662/0-06	1	Load cell specification sheet	-

2.2.2 Essential characteristics

$e_1 \geq E_{\max} / 6000$ for multi-interval instrument;
 Excitation voltage 3,2 V DC.

2.2.3 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 drawing:

Number	Pages	Description	Remarks
1162/0-07	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.