



# EC type-approval Certificate

Number **T6716** revision 1  
Project number SO15200474  
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Issued by	NMi Certin B.V., designated and notified by the Netherlands to perform tasks with respect to conformity modules mentioned in article 9 of Directive 2009/23/EC, after having established that the measuring instrument meets the applicable requirements of Directive 2009/23/EC, to:
Manufacturer	A&D Instruments Ltd. 24 Blacklands Way Abingdon Business Park Abingdon, Oxfordshire OX14 1DY United Kingdom
Measuring instrument	<b>A Non-automatic weighing instrument</b> Type : HL-3000...WP  Further properties are described in the annexes: – Description T6716 revision 1; – Documentation folder T6716-1.
Valid until	16 February 2025
Remark	This revision replaces the earlier version(s), except for its documentation folder.

Issuing Authority

**NMi Certin B.V., Notified Body number 0122**  
16 February 2015

  
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# Description

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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

Number	Pages	Description	Remarks
AND-HLWP-BD-H	1	Block diagram (Hardware)	-

The electronics;  
The mechanical assembly with load cell.

EMI protection measures:

- Ferrite on main PCB at the connection point of the power supply and batteries;
- Ferrite on cable between main PCB and load cell.

### 1.2 Essential characteristics

Accuracy class	III
Maximum capacity	Max $\leq 3$ kg
Verification scale interval	$e \geq 1$ g
Weighing range(s)	Single interval
Maximum number of scale intervals (one weighing range)	$n \leq 3000$ divisions
Power supply voltage	230 V AC, 50/60 Hz; 6 x 1,5V batteries.

### 1.3 Essential shapes

Number	Pages	Description	Remarks
AND-HLWP-EX-1/2	1	Exploded view 1/2	-

The data plate is secured against removal by sealing or will be destroyed when removed.  
Inside the cabinet is a calibration lock, located on the main board.



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## 1.4 Conditional parts

The non automatic weighing instrument is fitted with a levelling device and a level indicator, unless the instrument is installed in a fixed position. The level indicator has a sensitivity of at least 2 mm for a tilt of 2/1000.

## 1.5 Non-essential parts

- Batteries;
- AC/DC plug-in power supply.

## 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
AND-HLWP-PZ+-PCB	1	PZ+4333, Lay-out	-
AND-HLWP-PZ+-PL	1	PZ+4333, Parts list	-

#### 2.1.2 Essential characteristics

List of legally relevant functions:

- Determination stability of equilibrium;
- Zero indicator;
- Semi-automatic zero-setting;
- Automatic zero-setting;
- Initial zero-setting;
- Zero-tracking;
- Semi-automatic subtractive tare balancing;
- Indication of stable equilibrium;
- Gravity compensation;
- Calibration / set-up mode via a switch on the main board;
- Acting upon significant faults;
- Checking the display.

#### 2.1.3 Non-essential parts

- Display;
- Keyboard.



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## 2.2 The mechanical assembly with load cell

### 2.2.1 Essential parts

Number	Pages	Description	Remarks
AND-HLWP-EX-2/2	1	Exploded view 2/2	Load cell assembly.
AND-HLWP-LC-SP	1	HL-WP Series load cell specification	-

### 2.2.2 Essential characteristics

- $e \geq E_{\max}/5000$ ;
- Excitation power supply 5 V DC.

### 2.2.3 Essential shapes

Number	Pages	Description	Remarks
AND-HLWP-EX-2/2	1	Exploded view 2/2	-

## 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
AND-HLWP-S	1	Sealing	-

## 4 Conditions for conformity assessment

The marks, facilities for the marks and the inscriptions on the non-automatic weighing instrument fulfill the requirements of article 1 of Annex IV of Directive 2009/23/EC.