

Issued by NMI Certin B.V.,  
designated and notified by the Netherlands to perform tasks with respect to conformity assessment 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 Ravas Europe B.V.  
Veilingweg 17  
5301 KM Zaltbommel  
The Netherlands

Measuring instrument **A Non-automatic weighing instrument**

Type : RAVAS-EL-XX YYYY  
RAVAS-ST-XX YYYY  
RAVAS-EL-XXXX YYYY  
RAVAS-ST-XXXX YYYY  
RAVAS-RPW-DUAL-SCALE

XX, XXXX = type of indicator (wireless, wired)  
YYYY = capacity

Further properties are described in the annexes:

- Description T11513 revision 3;
- Documentation folder T11513-3.

Valid until 15 February 2029

Initially issued 15 February 2019

Remarks This revision replaces the earlier versions, including its documentation folder.

Issuing Authority **NMI Certin B.V., Notified Body number 0122**  
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## Certification Board

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 / Terminal:

Producer	Type	Certificate number
Ravas	3200 (wired), 32 (wireless with [BLE])	TC11236
Ravas	5200 (wired), 52 (wireless with [BLE])	TC11665

Analog data processing device:

Producer	Type	Certificate number
Ravas	[BLE]	TC11235
Ravas	RAVAS Redbox (integrated tilt sensor)	TC12477

Load cell:

Producer	Type	Certificate number
Tedea-Huntleigh (VPG)	3410	TC2353
Tedea-Huntleigh (VPG)	3422	TC10939
Tedea-Huntleigh (VPG)	3510	TC2272
Mettler Toledo	SBC 1/2/5R	TC6625

Tilt sensors:

Producer	Type	Range and function	Accuracy	Drawing number
RAVAS Europe	RELS-001	X-axis: 2° tilt switching Y-axis: 2° tilt switching	± 0,4°	11513/1-01
RAVAS Europe	CS-001	X-axis: 3° tilt switching or compensation Y-axis: 3° tilt switching or compensation	± 0,3°	11513/1-02

See block diagram:

Number	Pages	Description	Remarks
11513/0-01	1	Block diagram electrical stacker and electrical pallet truck	-

## 1.2 Essential characteristics

Configuration	3200, 5200 Indicator	32, 52 Terminal + [BLE]	3200 Terminal + RAVAS Redbox
Accuracy class	III or IIII		
Maximum capacity	500 kg ≤ Max ≤ 5000 kg		
Verification scale interval	e ≥ 0,2 kg		
Weighing ranges	Single interval Multiple range		
Maximum number of scale intervals	n ≤ 2500	n ≤ 2000	

The non-automatic weighing instrument is constructed as a mobile instrument intended to be used for weighing transportable goods.

The dual scale variant has two completely separate weighing instruments combined on one pallet truck or stacker.

## 1.3 Essential shapes

Number	Pages	Description	Remarks
11513/0-02	1	Construction electrical pallet truck	-
11513/0-03	1	Construction electrical stacker	-
11513/3-01	1	Alternative fork construction for dual scale	-

The data plate is secured against removal by sealing or will be destroyed when removed. Each scale of the dual scale option has its own data plate.

## 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 tilt switch. When the angle exceeds the maximum specified in 1.1 the indicator will not show a weight value.

## 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.

## 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.

A tilt test must be part of the set of tests performed for conformity assessment.

Each weighing instrument of the dual scale variant must have its own conformity assessment procedure.