



EU type-examination certificate  
FI 21.1.02 Revision 1



CERTIFICATE

<b>Issued by</b>	Inspecta Tarkastus Oy Notified Body Number 0424	
<b>In accordance with</b>	The Council Directive 2014/31/EU on Non-automatic Weighing Instruments and EN45501:2015	
<b>Issued to</b>	VETEK WEIGHING AB, Hantverkarsvägen 15, S-76493 Väddö, Sweden	
<b>Instrument type</b>	A graduated, self-indicating, electronic, non-automatic weighing instrument, not intended to be used for direct sales to the public.	
<b>Type designation</b>	VB2-30-EC, VB2-100-EC and VB2-200-EC	
<b>Reference No.</b>	230103-1	
<b>Annex</b>	Descriptive annex of type examination certificate (3 pages)	
<b>Remarks</b>	This revision replaces the earlier version.	
<b>Valid until</b>	29 <sup>th</sup> of September 2031	
<b>Date of issue</b>	Helsinki, 24 <sup>th</sup> of May 2023	
<b>Signatories</b>	 Juhana Saastamoinen Technical Expert	 Ari Paajanen Leading Expert

**DESCRIPTIVE ANNEX**  
Of EU type-examination certificate of a non-automatic weighing instrument

**CERTIFICATE HISTORY**

CERTIFICATE NO.	DATE	DESCRIPTION
FI 21.1.01	29.09.2021	Type examination certificate first issued
FI 21.1.01 Revision 1	24.05.2023	Format of software version indication updated

**NAME AND TYPE OF INSTRUMENT**

The weighing instrument is intended for industrial weighing on a level surface. The instrument type name is "VB2-30-EC, VB2-100-EC or VB2-200-EC".

**DESCRIPTION**

**Construction**

The weighing instrument is an all in one construction and consists of following parts:

- indicator
- LCD display
- single point load cell
- load receptor plate with a window for display

**Devices**

- device to check the display, memory circuit and internal data transmission
- semi-automatic zero setting device
- zero-tracking device
- zero indicating device
- semi-automatic subtractive tare weighing device
- semi-automatic calibration device
- low battery voltage detection device

**Load cell (alternatives)**

Load cell	VB 2-30-EC	VB 2-100-EC	VB2-200-EC	Test certificate
SCAIME	AG 30	AG 100	-	SDM C9418
CELTRON LOC	E <sub>max</sub> 50 kg	E <sub>max</sub> 150 kg	E <sub>max</sub> 250 kg	TC2318
HBM SP 4	E <sub>max</sub> 50 kg	-	-	TC2485
TEDEA-HUNTLEIGH 1040,1042	E <sub>max</sub> 50 kg	-	-	TC2152 TC2949
TEDEA-HUNTLEIGH 1241	E <sub>max</sub> 50 kg	E <sub>max</sub> 150 kg	E <sub>max</sub> 250 kg	TC2462

**TECHNICAL DATA**

<b>Model VB2</b>	<b>-30-EC</b>	<b>-100-EC</b>	<b>-200-EC</b>
Accuracy class	(III)		
Maximum capacity Max	30 kg	100 kg	200 kg
Minimum capacity Min	20 e		
Verification scale interval e	10 g	50 g	100 g
Number of scale intervals n	≤3000		
Number of load cells	1		
Maximum subtractive tare	T = -Max		
Temperature range	0 °C ... +30 °C		
Battery voltage	12 VDC		

**PERIPHERAL DEVICES AND INTERFACES**

Non existing.

**SOFTWARE VERSION**

Software version of VB2 is indicated during switch on and it is 10.00xx (x=0...9).

**APPROVAL CONDITIONS**

No parts of weighing instrument, no matter if they are mentioned or not, may be in conflict with the essential requirements of the Annex I of the Directive 2014/31/EU.

Note that the text "Use only on a sufficiently level surface when the bubble of the level indicator is completely inside the circle" is marked on the non-automatic weighing instrument.

**LOCATION OF CE MARK, SEALS AND INSCRIPTIONS**

A sticker with the CE marking of conformity with supplementary metrology marking is placed near the data plate. The supplementary metrology marking shall consist of the capital letter 'M' and the last two digits of the year of its affixing, surrounded by a rectangle. The height of the rectangle shall be equal to the height of the CE marking (5 mm).

The instrument bears markings according to the Annex III in Council Directive 2014/31/EU in such a way that the markings can't be removed. Max, Min and e are marked near the indication device.

The weighing instrument bears the number of EU-type examination certificate, manufacturer mark or name, postal address, accuracy class and serial number.

**SEALING****Inspecta Tarkastus Oy**

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**Company ID**

2047308-3



The following points shall be sealed using sealing label

- fixing screws of the load cells at the bottom of the scales
- calibration switch near the on/off switch

**ILLUSTRATIONS**

Figure 1. VB2 weighing instrument

