

Member State of OIML
United Kingdom of Great Britain
and Northern Ireland

OIML Certificate No
R51/2006-GB1-09.07
Revision 1

OIML CERTIFICATE OF CONFORMITY

Issuing authority: **NMO**
Person responsible: **Mannie Panesar – Head of Technical Services**
Applicant: **Società Cooperativa Bilanciai a.r.l.
Via S. Ferrari No 16
41011 Campogalliano
Modena
Italy**
Manufacturer: **The applicant**
Identification of the certified pattern: **Venus 300 checkweigher / weight or weight-price labeller**

This certificate attests the conformity of the above-mentioned pattern (represented by the samples identified in the associated test report) with the requirements of the following Recommendation of the International Organisation of Legal Metrology (OIML):

OIML R51 - Edition 2006(E) for accuracy class: XIII(1) and/or Y(a)

This certificate relates only to the metrological and technical characteristics of the pattern of the instrument concerned, as covered by the relevant OIML International Recommendation.

This certificate does not bestow any form of legal international approval.

Important note: Apart from the mention of the certificates reference number and the name of the OIML Member State in which the certificate was issued, partial quotation of the certificate or of the associated test report is not permitted, though they may be reproduced in full.

This revision replaces previous versions of the certificate.

Issue Date: **17 August 2017**



Grégory Glas
Technical Manager
For and on behalf of the Head of Technical Services



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The conformity was established by testing and examinations described in the associated Evaluation Report P02146 which includes 13 pages.

Characteristics of the instrument:

Technical characteristics:

Mains-powered automatic checkweighing / catchweighing instrument designated the Venus 300.

Model	Venus 300 "3-6"	Venus 300 "3"	Venus 300 "6"	Venus 300 "12"	Venus 300 "15"	Venus 300 "40"
Max capacity: (Max)	≤ 3/6 kg Dual- interval	≤ 3 kg	≤ 6 kg	≤ 12 kg	≤ 15 kg	≤ 40 kg
Min capacity, cat Y: (Min) cat X:	20 g 50 g	20 g 50 g	40 g 100 g	40 g 100 g	100 g 250 g	200 g 500 g
Scale interval (e):	1/2 g	1 g	1 g	2 g	5 g	10 g
Max number of scale intervals (n):	≤ 2x3000	≤ 3000	≤ 6000	≤ 6000	≤ 3000	≤ 4000
Tare (T): Cat X and Y	- 2000e (single interval) -2000e ₁ (dual interval)					
Climatic environment	0 to +40 °C / Closed, non-condensing					
Power supply	240 Va.c. 50 Hz					
Accuracy class	XIII(1) and Y(a)					

Conveyors' speed is limited to 70 m/min for loads up to 6 kg, and 60 m/min for greater loads.

Load cell:

The load cell may be one of the following:

	Venus 300 "3-6" E _{max} (kg)	Venus 300 "3" E _{max} (kg)	Venus 300 "6" E _{max} (kg)	Venus 300 "12" E _{max} (kg)	Venus 300 "15" E _{max} (kg)	Venus 300 "40" E _{max} (kg)
HBM PW22 C3 V _{min} ≥10000	20	10 20	20 30	20 30	/	/
Tedea 1042 C3-C6 V _{min} =10000	20	10 20	20 30 15 /	20 30	100 75 50 /	150 100 75 /
Scaime AB C5 V _{min} =10000	/	/	/	/	90 65	185 130 90 65

Any compatible load cell(s) may be used providing the following conditions are met:

- There is a respective OIML Certificate of Conformity (R60) issued for the load cell.
- The certificate contains the load cell types and the necessary load cell data required for the manufacturer's declaration of compatibility of modules and any particular installation requirements. A load cell marked NH is allowed only if humidity testing to R76 has been conducted on this load cell.

- It is not a load cell with digital output
- The characteristics of the replacement load cell such as nlc, Y, Z are the same or better than the load cell tested dynamically (HBM PW22 C3, capacity 20 kg)
- The design of the load cells and the material are the same
- No oil damper is used

Devices:

- Automatic zero setting device active during automatic operation (at least every 17 min)
- Semi-automatic zero-setting ($\leq 4\%$ max)
- Initial zero-setting ($\leq 20\%$ max)
- Pre-set tare device (subtractive)
- Static calibration, not accessible to the user
- Belt speed setting, accessible to the user (access password protected level 1)
- Internal memory for storage of batch data (category X)
- Device acting upon significant faults
- Screen check at power-up
- High resolution mode (0.1e) for testing purposes, not accessible to the user
- Operation under Category X or Y selection device, accessible to the user*

* one mode of operation may be disabled at initial verification

Interfaces:

- RS 232/RS485
- Parallel port
- Ethernet
- Analogue
- keyboard

Software:

The A/D converter software is designated "Bilanciari 491021 x.x", with x.x the release number that may change following minor modifications. The A/D converter software is completely legally relevant.

The main board software comprises two parts. The legally relevant part is designated "Sw.Metr: 3.x.xx" (e.g. Sw.Metr: 3.1.1e), with x.xx the release number that may change following minor modifications. The non-legally relevant part can be freely modified (currently designated VER.SW 4.3.11.Q).

An event logger automatically records all relevant data (date and time, A/D converter board software version with checksum, mercury board legally relevant software version with checksum, and entry for success), which can be displayed by entering "ALT+W" via the keypad.

Sealing:

Components that may not be dismantled or adjusted by the user (cabinet enclosure, load cell connection) will be secured by either a wire and seal or tamper evident label and securing mark.

Legally relevant parameters are protected by a calibration and set-up switch located inside the sealed control cabinet.

Alternatives:

Having the main board software version “4.x.xx”. This software version allows a third calibration point to be used. All other software information remains as described in the Software section.

Having a new model designated the ‘ Venus 300 “30” ‘ which utilises 4 strain gauge load cells, each located on the corners of the weigh conveyor.

The Venus 300 “30” has the following technical characteristics:

Model	Venus 300 “30”
Max capacity: (Max)	≤ 30 kg
Min capacity, cat Y: (Min) cat X	≥ 200 g ≥ 500 g
Scale interval (e):	≥ 10 g
Max number of scale intervals (n):	≤ 3000
Tare (T): Cat X and Y	- 2000e
Climatic environment	0 to +40 °C / Closed, non-condensing
EM classification:	E1 and E2
Power supply	240 Va.c. 50 Hz
Accuracy class	XIII(1) and Y(a)
Load cell model	Eurocell CB
Load cell E _{max}	50 kg

The Venus 300 “30” must use main board software version number 4.x.xx. Three calibration points must be used. And the instrument must be set to zero at least every 6 minutes.

CERTIFICATE HISTORY

ISSUE NO.	DATE	DESCRIPTION
R51/2006-GB1-09.07	05 October 2009	Certificate first issued.
R51/2006-GB1-09.07 Revision 1	17 August 2017	List of test reports and pattern evaluation checklist moved to Evaluation Report number P02146 Added Software and Sealing sections Added Venus 300 “30” to Alternatives