



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:

Bench and Counter Scale, Non-Computing,
Digital Electronic
Models: Valor 3000 Series, V31xxx
 n_{max} : 3000
Capacity: see table below
Platform: 8.2 x 8.2 in.
Accuracy Class: III

Submitted By:

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Standard Features and Options

Valor 3000 series ; models V31xxx	Capacity	$d_{min} = e_{min}$	n_{max}
V31X3N and V31XW3*	3 kg	0.001 kg	3000
	3000 g	1 g	3000
	6.6 lb	0.005 lb	1320
	105.8 oz	0.05 oz	2116
V31X6N and V31XW6*	6 kg	0.002 kg	3000
	6000 g	2 g	3000
	13.2 lb	0.005 lb	2640
	211.6 oz	0.1 oz	2116

*Models with a W are wash down versions

Semi-automatic (push-button) zero setting mechanism
Automatic (AZSM) zero setting mechanism
Initial zero setting mechanism (IZSM)
Zero/Tare key, (0/T), see operation section
Kilogram / gram / pound / ounce external conversion key
Stable weight indicator, (*)

Liquid crystal display (LCD), 6 digit, 7 segment
AC/DC adapter, 9 or 12 VDC
Battery power supply, 4 C, 6 VDC
Battery saving feature (auto shut off)
Stainless Steel Case

Load cell used: Mettler Toledo model 72193366 (non-NTEP)

Options: Weighing platter attachments, slide-on french fry and ice cream cone holders

Temperature Range: -10 °C to 40 °C (14 °F to 104 °F)

This device was evaluated under the National Type Evaluation Program and was found to comply with the applicable technical requirements of "NIST Handbook 44: Specifications, Tolerances and Other Technical Requirements for Weighing and Measuring Devices." Evaluation results and device characteristics necessary for inspection and use in commerce are on the following pages.

Ronald Hayes
Chairman, NCWM, Inc.

John Gacione
Committee Chair, National Type Evaluation Program Committee
Issued: April 9, 2015

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**Ohaus Corporation**

Non-Computing Scale / Valor 3000 Series, V31xxx

Application: This scale is not intended to be used for direct sales applications and may be used for general purpose weighing where a customer is not present. The device must be clearly marked on or adjacent to the weight display with the statement “Not for Direct Sales.” This scale has a 0/T key which must be clearly marked with how the key operates. See operation section below.

Identification: The required identification information is on a self-adhesive badge which is located on the left side of the scale.

Sealing: These scales may be sealed using a wire security seal placed on the bottom of the scale. Two sealing screws are used to secure a plate which covers the calibration switch. A third sealing screw secures the upper and lower parts of the case and prevents internal access. A wire security seal may be inserted through all three sealing screws. Before sealing this scale, the LFT (legal for trade) menu item must be set to ON in the setup menu, followed by the security switch located under the plate on the bottom of the scale set to the ON position.

When exiting the Setup menu, the display of “LFt.ON”, followed by “SW.ON” indicates that the scale is in the legal for trade mode and the scale is ready to be sealed.

A display of “LFt.ON”, followed by “SW.OFF” indicates that the security switch has not been set to the ON position. In this case the scale will return to the Setup menu. Once the security switch is set to the ON position, the setup menu can be exited.

Operation: 0/T, On/Off key: This is a multifunctional key. Its operation is:

On – Short press (when off) turns the scale on

Off – Long press (when on) turns the scale off

0/T – Short press (when on) sets the display to zero up to a weight as stated below, then the key becomes a tare key at weights above that, as stated below.

The 0/T key (Zero/Tare) function requires marking which defines its function; these scales will be marked with labels as illustrated below:

Sample 0/T key label (3 kg capacity)

O/T operation: Zero up to and
tare above 0.06 kg, 60 g,
0.130 lb, 2.10 oz
Not for Direct Sales

Sample 0/T key label (6 kg capacity)

O/T operation: Zero up to and
tare above 0.12 kg, 120 g,
0.265 lb, 4.25 oz
Not for Direct Sales

Test Conditions: This Certificate supersedes Certificate of Conformance 08-008 and is issued to correct the model designations. There was no change to the device, so no testing was deemed necessary. Contact information has also been updated. Previous test conditions are listed below for reference.

Certificate of Conformance Number 08-008: The emphasis of the evaluation was on the device design, marking requirements, performance, and compliance with influence factors. For the purpose of this evaluation, two models of this series were submitted: 3 kg x 0.001 kg and 6 kg x 0.002 kg. Several increasing/decreasing load and shift tests were conducted. The scales were tested over a temperature range of 0 °C to 40 °C (32 °F to 104 °F). A load of approximately one-half capacity was applied to each scale over 100 000 times. The scales were tested periodically over this time. Tests were conducted using 100 VAC and 130 VAC, and 5.2 to 10.5 volt DC power supplies. Optional weighing platter accessories were installed and evaluated to ensure their use resulted in correct weightings. The procedure for the legal for trade setup and proper sealing method was evaluated and documented.

Evaluated By: Bill Fishman (NY) 08-008

Type Evaluation Criteria Used: NIST Handbook 44, 2008 Edition; NCWM Publication 14, 2007 Edition

Conclusion: The results of the evaluations and information provided by the manufacturer indicate the devices comply with applicable requirements.



Ohaus Corporation
Non-Computing Scale / Valor 3000 Series, V31xxx

Information Reviewed By: S. Patoray (NCWM), L. Bernetich (NCWM) 08-008; J. Truex (NCWM) 08-008A1

Examples of Device:

**Valor 3000 Series
3 kg and 6 kg**



Sealing

