



Australian Government
**National Measurement
Institute**

Bradfield Road, West Lindfield NSW 2070

Certificate of Approval

NMI 6/4C/283

Issued by the Chief Metrologist under Regulation 60
of the
National Measurement Regulations 1999

This is to certify that an approval for use for trade has been granted in respect of the instruments herein described.

Ohaus Model Valor 4000 V41XWE15TAU Weighing Instrument

submitted by Ohaus Corporation
 Unit 3, 220 Turner Street
 Port Melbourne VIC 3207

NOTE: This Certificate relates to the suitability of the pattern of the instrument for use for trade only in respect of its metrological characteristics. This Certificate does not constitute or imply any guarantee of compliance by the manufacturer or any other person with any requirements regarding safety.

This approval has been granted with reference to document OIML R 76, *Non-automatic weighing instruments, Part 1*, Edition 2006.

This approval becomes subject to review on 1/09/18, and then every 5 years thereafter.

DOCUMENT HISTORY

Rev	Reason/Details	Date
0	Pattern & variants 1 & 2 approved – interim certificate issued	30/08/13
1	Pattern & variants 1 & 2 approved – certificate issued	17/01/14

CONDITIONS OF APPROVAL

General

Instruments purporting to comply with this approval shall be marked with approval number 'NMI 6/4C/283' and only by persons authorised by the submitter.

It is the submitter's responsibility to ensure that all instruments marked with this approval number are constructed as described in the documentation lodged with the National Measurement Institute (NMI) and with the relevant Certificate of Approval and Technical Schedule. Failure to comply with this Condition may attract penalties under Section 19B of the National Measurement Act and may result in cancellation or withdrawal of the approval, in accordance with document NMI P 106.

Signed by a person authorised by the Chief Metrologist to exercise their powers under Regulation 60 of the *National Measurement Regulations 1999*.

A handwritten signature in black ink, appearing to read 'A Rawlinson', with a horizontal line underneath.

Dr A Rawlinson

TECHNICAL SCHEDULE No 6/4C/283

1. Description of Pattern **approved on 30/9/13**

An Ohaus model Valor 4000 V41XWE15TAU class III single interval self-indicating non-automatic weighing instrument (Figure 1a and Table 1) of 15 kg maximum capacity with a verification scale interval of 0.005 kg.

The instrument has a stainless steel housing with two LED displays for display of the weight value.

Instruments shall be marked 'NOT FOR TRADING DIRECT WITH THE PUBLIC' (or similar wording).

Power for the model Valor 4000 V41XWE15TAU instrument may be supplied by:

- an AC/DC mains adaptor; and/or
- an internal 6v rechargeable battery.

Note: The AC/DC mains adaptor supplied for the instrument was a PHIHONG Switching Power Supply model PSM11R-120 AC/DC mains adaptor (12 V DC, 0.84 A) – the submitter should be consulted regarding the acceptability of alternative power supply units.

1.1 Zero

The initial zero-setting device has a nominal range of not more than 20% of the maximum capacity of the instrument.

The instrument has a semi-automatic zero-setting device with a nominal range of not more than 4% of the maximum capacity of the instrument.

A zero-tracking device may be fitted.

1.2 Tare

A semi-automatic subtractive tare device of up to maximum capacity may be fitted.

1.3 Display Check

A display check is initiated whenever power is applied.

1.4 Levelling

The instrument is provided with adjustable feet and adjacent to the level indicator is a notice stating 'Instrument must be level when in use' or similar wording.

1.5 Additional Features

Instruments may be fitted with percentage and check weighing functions. The function and display are not approved for trade use.

1.6 Verification Provision

Provision is made for the application of a verification mark.

1.7 Sealing Provision

Provision is made for access to the calibration jumper pins which are located beneath the load receptor to be sealed by means of lead and wire type seals with drilled screw and hole, or a destructible label placed over the securing screw on the cover plate underneath the load receptor as shown in Figure 3a.

The Legal For Trade status (Figure 3b) can be seen in the switch-on display sequence (when the power is first applied to the instrument):

- (a) If 'LFT' is not displayed then the Legal For Trade status is not in place, and the calibration is not secured.
- (b) If 'LFT' is displayed then the Legal For Trade status has been set to ON and the instrument can be sealed as shown in Figure 3a.

1.8 Software

The software is designated 1.0xx where xx refers to the identification of non-legally relevant software as shown Figure 2.

The software version and number can be seen in the switch-on display sequence (when the power is first applied to the instrument).

1.9 Descriptive Markings and Notices

Instruments carry the following markings:

Manufacturer's mark, or name written in full	Ohaus Corporation
Indication of accuracy class	Ⓜ
Pattern approval mark for the instrument	NMI 6/4C/283
Maximum capacity	Max/..... g or kg #1
Minimum capacity	Min g or kg #1
Verification scale interval	e =/..... g or kg #1
Serial number of the instrument

#1 These markings are shown near the display of the result.

In addition, instruments shall carry a notice stating NOT FOR TRADING DIRECT WITH THE PUBLIC, or similar wording.

2. Description of Variant 1 approved on 30/9/13

Other V41XWE models in certain other capacities as listed in Table 1 (the pattern is shown in **bold**).

TABLE 1

Model Number	Maximum Capacity (Max)	Verification Scale Interval (e)	Mettler Toledo Load Cell Used
V41XWE1501TAU	1.5 kg	0.0005 kg	MT1022 3.5 kg
V41XWE3TAU	3 kg	0.001 kg	AMI 6.5 kg
V41XWE6TAU	6 kg	0.002 kg	AMI 15 kg
V41XWE15TAU	15 kg	0.005 kg	AMI 30 kg

2. Description of Variant 2 approved on 30/9/13

The Ohaus Valor 4000 V41PWE series which are similar to the model V41XWE (pattern and variant 1, including the specifications as listed in Table 1) but are in an ABS housing (Figure 1b).

TEST PROCEDURE No 6/4C/283

Instruments shall be tested in accordance with any relevant tests specified in the National Instrument Test Procedures.

The instrument shall not be adjusted to anything other than as close as practical to zero error, even when these values are within the maximum permissible errors.

Maximum Permissible Errors

The maximum permissible errors are specified in Schedule 1 of the *National Trade Measurement Regulations 2009*.

FIGURE 6/4C/283 – 1



(a) Ohaus Model Valor 4000 V41XWE Weighing Instrument



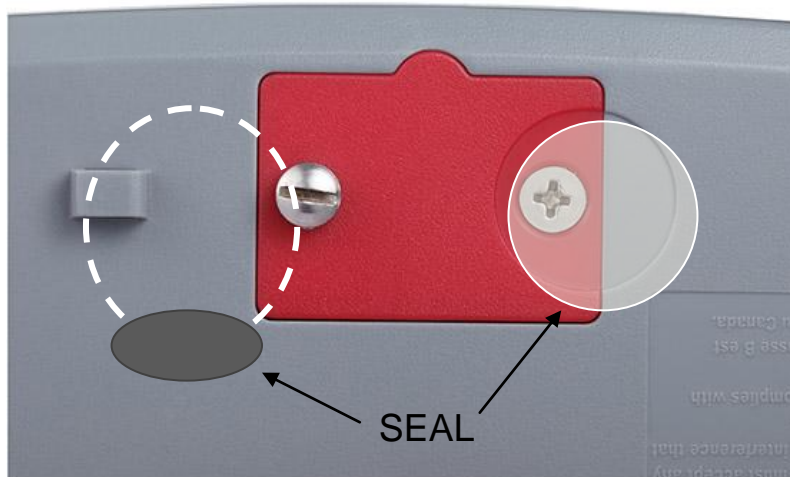
(b) Ohaus Model Valor 4000 V41PWE Weighing Instrument

FIGURE 6/4C/283 – 2



Software Version Number

FIGURE 6/4C/283 – 3



(a) Lead and Wire Type and Destructible Adhesive Label Sealing Arrangements



(b) Legal for Trade Status

Showing Typical Sealing Arrangements

~ End of Document ~