NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:
Non-Computing Scale
Bench/Counter, Digital Electronic
Model: Valor 4000, V41PWExT & V41XWExT (See Page 2)
n_{max}: 3000
e_{min}: See Page 2
Capacity: See Page 2
Platform: 24.2 cm x 19.0 cm
Accuracy Class: III

Submitted By: Contact Info. Updated January 2024
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Standard Features and Options

- Automatic Zero Tracking (AZT)
- Initial Zero Setting mechanism (IZSM)
- Semi-Automatic Zero (Push-Button)
- Semi-Automatic Tare (Push-Button)
- AC/DC Adapter Power
- Rechargeable Battery Power
- Power Saving Feature (Sleep Mode and Auto Shut Off)
- 7 Segment Alphanumeric LED Display
- Customer Display (Dual)
- Gross/Net Display
- Integral Display
- Linearity Calibration Points (2)
- Center of Zero Light
- Units, lb, oz, kg, and g
- Accumulation Feature (Manual and Automatic)
- Category 1 Audit Trail

Load Cells Used: Mettler Toledo MT1022 3.5 kg (Non-NTEP), Mettler Toledo AMI 6.5, 15, and 30 kg (Non-NTEP)

The meaning of the characters in the model numbers are as follows:
V = Valor, 41 = 4000 series version 1, P = Plastic housing, X = Stainless steel housing, W = Water washable, E = LED display, x = 1 to 4 digit capacity code, and T = Dual display

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.

Stephen Benjamin
Chairman, NCWM, Inc.

Kurt Floren
Committee Chair, National Type Evaluation Program Committee
Issued: May 21, 2013

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Ohaus Corporation

Non-Computing Scale / Valor 4000 V41PWExT & V41XWExT

Application: For use in general purpose weighing applications.

Identification: G.S.1 information can be found on a self-destructive label located on the right-hand side when facing the device as shown below.

Sealing: On the bottom of the device a wire seal is threaded between a drilled head screw and a plastic loop on the housing. This secures a plastic cover which prevents access to the calibration switch and disassembly of the device. Alternately, access is restricted through two event counters (one for calibration parameters and one for configuration parameters). These counters can be viewed by holding the "menu" key until "Audit" is displayed. The counter values will then be shown in the form CALXXX and CFGXXX.

Models and Capacities:

Model	Capacity	d/e_{min}	n_{max}	Accuracy Class
V41PWE1501T	3 lb / 48 oz 1.5 kg / 1500 g	0.001 lb / 0.02 oz 0.0005 kg / 0.5 g	3000	III
V41XWE1501T	3 lb / 48 oz 1.5 kg / 1500 g	0.001 lb / 0.02 oz 0.0005 kg / 0.5 g	3000	III
V41PWE3T	6 lb / 96 oz 3 kg / 3000 g	0.002 lb / 0.05 oz 0.001 kg / 1 g	3000	III
V41XWE3T	6 lb / 96 oz 3 kg / 3000 g	0.002 lb / 0.05 oz 0.001 kg / 1 g	3000	III
V41PWE6T	15 lb / 240 oz 6 kg / 6000 g	0.005 lb / 0.1 oz 0.002 kg / 2 g	3000	III
V41XWE6T	15 lb / 240 oz 6 kg / 6000 g	0.005 lb / 0.1 oz 0.002 kg / 2 g	3000	III
V41PWE15T	30 lb /480 oz 15 kg / 1500 g	0.01 lb / 0.2 oz 0.005 kg / 5 g	3000	III
V41XWE15T	30 lb / 480 oz 15 kg / 1500 g	0.01 lb / 0.2 oz 0.005 kg / 5 g	3000	III

Test Conditions: This device was submitted to and evaluated by Measurement Canada under the U.S. and Canadian MRA. The technical data was reviewed by the Maryland NTEP laboratory for compliance with NCWM Publication 14 and NIST Handbook 44 requirements. The emphasis of the evaluation was on device design, operation, performance, and compliance with influence factor requirements. All required performance tests were conducted, which included: increasing, decreasing, shift, power, environmental chamber and permanence.

Evaluated By: E.A.Payne, Jr (MD), Justin Rae (MC)

Type Evaluation Criteria Used: *NIST Handbook 44 Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices*, 2013 Edition. *NCWM Publication 14 Weighing Devices*, 2013 Edition.

Conclusion: The results of the evaluation and information provided by the manufacturer indicate the device complies with applicable requirements.

Information Reviewed By: J. Truex (NCWM)

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Non-Computing Scale / Valor 4000 V41PWExT & V41XWExT

Examples of Device:



