

### NATIONAL TYPE EVALUATION PROGRAM

# Certificate of Conformance for Weighing and Measuring Devices

For:

Indicating Element Digital Electronic Model: V-xx Series n<sub>max</sub>: 10 000

Accuracy Class: III

\*Submitted By: Contact Info. Updated October 2019

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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 (Puss Button)
- DC Power (12 V)
- Liquid Crystal Display
- RS232 Communications
- Linearity Calibration Points

### Model designations:

V-FS Stainless steel enclosure 2 in high display V-BM ABS plastic enclosure 2 in high display V-PS Stainless steel enclosure 1 in high display

V-TM ABS plastic enclosure 2 in high 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.

dmes Cassidy

Chairman, NCWM, Inc.

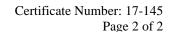
✓ Kristin Macey

Committee Chair, National Type Evaluation Program Committee

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# Intelligent Weighing Technology, Inc.

Indicating Element / V-xx Series

**Application:** A general-purpose indicating element to be interfaced with an NTEP certified and compatible weighing element.

Identification: The required making information is located on the back of the device. Labels for capacity, division, CLC (concentrated load capacity; if required), and section capacity (if required) will be identified on an adhesive label. The label will selfdestruct when removed.

Sealing: Stainless steel case (V-FS & V-PS) – wire seal threaded through bolt(s) on back of device preventing removal of nut. Plastic case (V-BM & V-TM) - wire seal through two tabs on back of device preventing the removal of plug that blocks access to screw.

**Test Conditions:** The models submitted for this evaluation were a V-FS and a V-BM. The emphasis of the evaluation was on device design, operation, and compliance with environmental factors. Both models were interfaced with a load cell simulator and then tested for accuracy over a temperature range of -10 °C to 40 °C (14 °F to 104 °F). The devices were tested with 100 VAC and 130 VAC power supplies.

Evaluated By: E. Morabito (NY)

Type Evaluation Criteria Used: NIST Handbook 44 Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices, 2017 Edition. NCWM Publication 14 Weighing Devices, 2017 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)

# **Examples of Device:**

V-PS



V-FS





V-BM



V-TM



### **Methods of Sealing:**



Wire seal through bolt



Wire seal through tabs