



NATIONAL TYPE EVALUATION PROGRAM

# Certificate of Conformance

for Weighing and Measuring Devices

**For:**

Indicating Element  
Digital Electronic  
Model: i-DT61PW, i-DT61XWE  
 $n_{max}$ : 10 000  
Accuracy Class: III / IIIL


**Submitted By:**

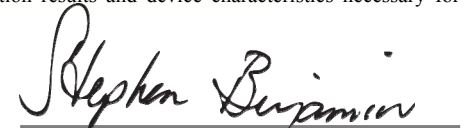
Ohaus Corporation  
7 Campus Drive, Suite 310  
Parsippany, NJ 07054  
Tel: 973-377-9000 ext. 7088  
Fax: 973-944-7177  
Contact: Al Go  
Email: [al.go@ohaus.com](mailto:al.go@ohaus.com)  
Web site: [www.ohaus.com](http://www.ohaus.com)

**Standard Features and Options**

- Semi-Automatic (push button) Zero Setting Mechanism
- Multiple Tare Memories
- Battery Saving Feature (auto shut off) (i-DT61PW model)
- Automatic Zero Tracking (AZT)
- Semi-Automatic (push button) Tare
- Initial Zero Setting Mechanism (IZSM)
- Keyboard Tare
- Gross/Net Display
- AC Voltage
- DC Voltage 6 D-cell batteries (i-DT61PW model)
- Unit Switching (lb, oz, kg, g, t) (t is only for i-DT61PW)
- Remote Printer Capability
- USB interface (optional)
- RS232 interface (optional)
- Ethernet interface (optional)
- Plastic or stainless-steel housing
- Category 1 Sealing Method
- Infrared USB communication port (optional for i-DT61PW only)
- Motion Detection
- Counting Mode (marked "The counting feature is not legal for trade")
- Programmable Tare
- Center of Zero Annunciator

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.

  
\_\_\_\_\_  
Craig VanBuren  
Chairman, NCWM, Inc.

  
\_\_\_\_\_  
Stephen Benjamin  
Committee Chair, NTEP Committee  
Issued: July 9, 2020

1135 M Street, Suite 110 / Lincoln, Nebraska 68508

The National Conference on Weights and Measures (NCWM) does not approve, recommend or endorse any proprietary product or material, either as a single item or as a class or group. Results shall not be used in advertising or sales promotion to indicate explicit or implicit endorsement of the product or material by the NCWM.



## Ohaus Corporation

Indicating Element / i-DT61PW, i-DT61XWE

**Application:** A general purpose indicating element for use with any NTEP certified and compatible weighing/load receiving element.

**Identification:** All required markings are located on a self-destructive pressure sensitive label on the back of the indicating element housing.

**Sealing:** A Category 1 physical seal is used on both models of indicator. The i-DT61PW model uses a wire security seal thru drilled head screws preventing removal of the plate over the internal calibration switch. The i-DT61XWE uses a wire security seal thru two drilled holes in the enclosure back and bottom preventing the housing from being separated and blocking access to the internal calibration switch.

**Test Conditions:** The emphasis of the evaluation was on the device design, operation, performance, and compliance with influence factors. Two Ohaus indicating elements were submitted for evaluation the models were i-DT61PW (plastic housing) and i-DT61XWE stainless steel housing. The indicators were interfaced with a load receiving element to verify compliance with zero, zone of uncertainty and motion detection requirements. A load cell simulator was interfaced to the devices, multiple increasing/decreasing tests were performed. The devices were tested over a temperature range of -10° C to 40° C (14° F to 104° F). Tests were conducted using AC and DC voltage at 5.4 VDC, 9 VDC, 9.9 VDC, 102 VAC, 120 VAC and 132 VAC and all applicable check list requirements were evaluated.

**Evaluated By:** J. Gibson (OH)

**Type Evaluation Criteria Used:** *NIST Handbook 44 Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices*, 2020 Edition. *NCWM Publication 14 Measuring Devices*, 2020 Edition.

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

**Information Reviewed By:** D. Flocken (NCWM)

**Example(s) of Device:**

Model: i-DT61XWE

Model: i-DT61PW

