



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: Contact Info. Updated January 2024

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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

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**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-DT61-XWE 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**