



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:

Indicating Element
Digital Electronic
Model: i-CT71P, i-DT25P
 n_{max} : 10 000
Accuracy Class: III / IIIL

Submitted By: Contact Info. Updated January 2024

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Standard Features and Options

- Automatic Zero Tracking (AZT)
- Gross / Net Display
- Programmable Tare
- Remote Printer Capability
- Center of Zero Annunciator
- 100 to 240 VAC
- Auto shutoff Mode
- RS232 interface
- ABS Plastic Housing
- Semi-Automatic Zero (push button)
- Semi-Automatic (push button) Tare
- Motion Detection
- 4.3 to 6.6 VDC (4 AA Dry Batteries)
- Four function keypad
- Automatic Tare
- Unit Switching (lb, oz, kg, g, t)
- Initial Zero Setting Mechanism (IZSM)
- Linearity Calibration Points
- Sleep Mode
- Power Saving Mode
- Category 1 Sealing Method

Options:

- Customer Remote Display
- USB / Ethernet Communication Port
- Wi-Fi & Bluetooth (Thru optional USB Communication Port)

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.

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Ohaus Corporation
Indicating Element / i-CT71P, i-DT25P

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 indicating element housing.

Sealing: Both the i-CT71P and i-DT25P models of the indicator use a Category 1 physical seal. This seal is stopping the removal of the front cover which covers the internal calibration switch. Both models use a wire security seal threaded thru the drilled screw head located center bottom of the back panel and thru the adjacent hole preventing removal of the of the front cover. A second method of sealing the cover is to use a recessed screw that is flush when tightened and an adhesive tamper proof seal can then be placed over the screw. Please refer to sealing images in the examples of Sealing section.

Test Conditions: The emphasis of the evaluation was on the device design, operation, performance, and compliance with influence factors. Ohaus Models i-CT71P and i-DT25P indicators were interfaced with a weighing/load receiving element to verify compliance with zero, zone of uncertainty, and motion detection requirements. A load cell simulator and Ohaus SF40A external printer and a Ohaus Model AD7-MD customer remote display were 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 85 VAC to 264 VAC and DC voltage was tested at 4.3 VDC to 6.6 VDC, along with verification of optional Wi-Fi, Bluetooth, and all applicable checklist requirements were evaluated.

Evaluated By: B. Stone (OH)

Type Evaluation Criteria Used: *NIST Handbook 44 Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices*, 2022 Edition. *NCWM Publication 14 Measuring Devices*, 2022 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-CT71P



Model: i-DT25P





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Example(s) of Sealing:

