



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:

Indicating Element

Digital Electronic

Models: T31P, T31XW and T32XW

 n_{\max} : 6 000

Accuracy Class: III

***Submitted By: Contact Info. Updated December 2010**

Ohaus Corporation

7 Campus Drive, Suite 310

Parsippany, NJ 07054

Tel: 973-377-9000 x 7032

Fax: 973-944-7177

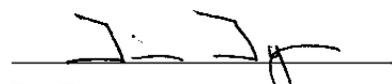
Contact: Robert Hansen

Email: bob.hansen@ohaus.comWeb site: www.ohaus.com**Standard Features and Options**

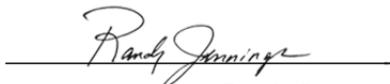
- Automatic Zero Tracking (AZT)
- Initial Zero Setting Mechanism (IZSM)
- Semi-automatic Zero Setting Mechanism (SAZSM)
- Semi-automatic (push-button) Tare
- Programmable Tare
- Unit Conversion (lb/kg/g/oz)
- Gross/Tare/Net Display Modes
- Liquid Crystal Display
- AC/DC Power Supply (T31P only)
- AC Power (T31XW and T32XW only)
- Rechargeable Battery Power (T31P and T32XW only)
- Auto Shut Off (screen saver)
- RS232 Interface
- Category 1 Audit Trail

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. *Editorial changes, not affecting the type or metrological content, corrected this certificate.



Tim Tyson
Chairman, NCWM, Inc.



Randy Jennings
Chairman, National Type Evaluation Program Committee
Issued: October 30, 2009

1135 M Street, Suite 110 / Lincoln, Nebraska 68508

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Ohaus Corporation

Indicating Element / T31P, T31XW and T32XW

Application: For use in general purpose weighing applications when interfaced with an NTEP approved and compatible weighing / load receiving element.

Identification: The required information is on an adhesive badge attached to the side (Model T31P) and top (Model T31XW and T32XW) of the indicator.

Sealing: Sealing is by a Category 1 Audit Trail and access to calibration and configuration parameters is via the MENU key. To access the audit trail in the normal weighing mode, press and hold the MENU key until it displays the word "Audit" then release. This will display the current configuration (CFGxxx) and calibration (CALxxx) event counter values. The display will then automatically return to the weighing mode. The audit trail system is always active and cannot be altered. Audit trails are stored in flash memory and do not require batteries to maintain the audit trail values.

Test Conditions: This Certificate supersedes Certificate of Conformance 08-066 and is issued to add model T32XW. An Ohaus Model T32XW was submitted for evaluation. The emphasis of the evaluation was on the device design, marking requirements, operation, performance, and compliance with influence factor requirements. Several increasing/decreasing load tests were performed with the indicator interfaced with a 10 000 division load cell simulator. The devices were tested over a temperature range of -10 °C to 40 °C (14 °F to 104 °F). Tests were also conducted using 100 VAC and 130 VAC. Previous test conditions are listed below for reference.

Certificate of Conformance 08-066: The emphasis of the evaluation was on the device design, marking requirements, operation, performance, and compliance with influence factor requirements. An Ohaus Model T31P was submitted for evaluation. Several increasing/decreasing load tests were performed with the indicator interfaced with a 10 000 division load cell simulator. The devices were tested over a temperature range of -10 °C to 40 °C (14 °F to 104 °F). Tests were also conducted using 100 VAC and 130 VAC.

Evaluated By: J. Morrison (OH) 08-066, 08-066A1

Type Evaluation Criteria Used: NIST, Handbook 44: Specifications, Tolerances and Other Technical Requirements for Weighing and Measuring Devices, 2009. NCWM, Publication 14: Weighing Devices, 2009.

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) 08-066, 08-066A1

Example of Device:



Model T31P



Model T31XW



Model T32XW