



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:

Indicating Element
Digital Electronic
Model: SBI 110
 $n_{\max}$: 10 000
Accuracy Class: III

Submitted By: Contact Info. Updated January 2024

Brecknell
1000 Armstrong Drive
Fairmont, MN 56031
Tel: 507-238-4461
Contact: Cory Hainy
Email: chainy@awtx-itw.com
Web site: www.brecknell.com

Standard Features and Options

- Automatic Zero Tracking (AZT)
- Initial Zero Setting Mechanism (IZSM)
- Semi-Automatic Zero (Push Button)
- Keyboard Tare
- Programmable Tare
- Semi-Automatic Tare (Push Button)
- AC Power (100-240 VV)
- DC Power (12 V)
- Battery Power (6V)
- Liquid Crystal Display
- Alphanumeric Display
- RS232 Communications
- Linearity Calibration Points
- Price calculation
- Weighing
- Counting
- Accumulation
- Optional stainless-steel enclosure

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.


Brett Gurney
Chairman, NCWM, Inc.


James Cassidy
Committee Chair, National Type Evaluation Program Committee
Issued: November 28, 2018

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.

**Brecknell**

Indicating Element / SBI 110

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 self-destruct when removed.

Sealing: Option 1: A wire security seal through two screws or a screw and a rod located on the underside of the device. Option 2: A paper security seal placed across the enclosure seam on the side of the device.

Test Conditions: This certificate was issued based upon the following tests and upon information provided by the manufacturer. 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 100VAC and 130 VAC as well as 6.5 VDC and 4.0 VDC 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*, 2018 Edition. *NCWM Publication 14 Weighing Devices*, 2018 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:



Wire seals through screw and rod