

Brecknell SBI 140

Brecknell SBI 140 Weight Indicator User Manual

Model: SBI 140

INTRODUCTION

The Brecknell SBI 140 is a versatile and cost-effective weight indicator designed for a wide range of non-trade weighing applications. Housed in a durable stainless steel and ABS case, this compact indicator features an easy-to-read five-digit LCD display. It is compatible with various Brecknell platform scales and can connect to up to four 350 ohm load cells. Key features include full duplex RS-232 output, NCI protocol for shipping software compatibility, and user-friendly push-button controls for essential functions.

SETUP

1. Unpacking and Inspection

Carefully remove the SBI 140 indicator and all accessories from the packaging. Inspect the unit for any signs of damage. Retain the packaging for future transport or storage.

2. Mounting the Indicator

The SBI 140 is supplied with a mounting bracket, allowing for flexible installation on a wall or bench. Secure the bracket to your desired location using appropriate fasteners (not included). Then, attach the indicator to the bracket.



Image: The Brecknell SBI 140 Weight Indicator shown with its included mounting brackets and connection cable, ready for installation.

3. Power Connection

The SBI 140 can be powered by either the included AC adapter or four 'AAA' batteries. Connect the AC adapter to the indicator and a suitable power outlet, or install the batteries into the battery compartment located on the underside of the unit. Ensure correct battery polarity.

4. Connecting to a Platform Scale

Connect the SBI 140 indicator to a compatible platform scale using the provided cable. The indicator supports connection to a maximum of four 350 ohm load cells. Ensure the connection is secure.

5. Initial Calibration

The SBI 140 features front panel calibration for easy setup. Refer to the detailed calibration procedure in the separate calibration guide (if provided) or follow the on-screen prompts after initial power-on to ensure accurate weight readings.

OPERATING INSTRUCTIONS



Image: Front view of the Brecknell SBI 140 Weight Indicator, showing the display and control buttons.

1. Power On/Off and Zero

- Press the **On/Off/Zero** button to power the unit on or off.
- When the indicator is on, press the **On/Off/Zero** button briefly to zero the display. This sets the current weight to zero, useful before placing an item on the scale.

2. Tare Function

- Place an empty container or packaging material on the scale platform.
- Press the **Tare** button. The display will show zero, and the tare weight will be subtracted from subsequent measurements. This allows for net weight measurement.
- To clear the tare, remove all items from the scale and press the **Tare** button again.

3. Unit Switching (kg/lb)

- Press the **Units** button to toggle between kilograms (kg) and pounds (lb). The display will indicate the currently selected unit.

4. Hold Function

- Press the **Hold/Print** button to activate the hold function. This will freeze the current weight reading on the display, even if the item is removed from the platform.
- Press the **Hold/Print** button again to release the hold function.

5. Auto Zero Tracking

The SBI 140 features automatic zero tracking, which maintains the zero display within a specified range, compensating for minor fluctuations or debris on the scale platform.

6. Auto-Off Feature

To conserve battery life, the indicator will automatically switch off after 2 minutes of inactivity. This feature helps extend the operational time when using battery power.

7. RS-232 Output

The full duplex RS-232 output allows the SBI 140 to connect to external devices such as printers or computers. It supports standard NCI protocol, enabling interface with common shipping software like UPS Worldship Online and FedEx.

MAINTENANCE

1. Cleaning

To clean the SBI 140, use a soft, damp cloth with a mild detergent. Avoid abrasive cleaners, solvents, or excessive moisture, as these can damage the display or internal components. Ensure the unit is powered off and disconnected from any power source before cleaning.

2. Battery Replacement

If the indicator is powered by batteries and the display becomes dim or the unit fails to power on, it may be time to replace the batteries. Open the battery compartment, remove the old 'AAA' batteries, and insert new ones, ensuring correct polarity. Dispose of used batteries responsibly.

TROUBLESHOOTING

If you encounter issues with your Brecknell SBI 140 Weight Indicator, please review the following common troubleshooting steps:

- **No Display/Unit Not Powering On:** Check the power source. If using the AC adapter, ensure it is securely plugged into both the indicator and a working outlet. If using batteries, ensure they are correctly installed and not depleted.
- **Inaccurate Readings:** Verify that the scale platform is stable and level. Ensure no objects are touching the platform or indicator. Perform a recalibration if necessary, following the calibration instructions.
- **Display Shows 'OVERLOAD' or 'UNDERLOAD':** This indicates the weight on the platform is outside the scale's capacity. Remove or add weight as appropriate.
- **Communication Issues (RS-232):** Check the RS-232 cable connection between the indicator and the external device. Ensure the correct communication settings are configured on both devices.

If these steps do not resolve the issue, please contact Brecknell customer support for further assistance.

SPECIFICATIONS

Model	SBI 140
Item Model Number	52751-0556
Load Cells Supported	4, 350Ω load cells
Protocol	Standard NCI (compatible with UPS Worldship Online, FedEx)
Interface	RS-232 with 10' Cable (9 pin to 9 pin type connector)
Power	4 "AAA" Batteries (Included) or AC Adaptor (Included)
Operator Keys	On/Off/Zero, Tare, Units, Hold/Print
Display	Five digit 17 mm / 0.625" high LCD
Product Dimensions	9.25 x 7.25 x 3 inches; 3 Pounds
Manufacturer	SalterBrecknell

WARRANTY AND SUPPORT

For information regarding product warranty, please refer to the documentation provided at the time of purchase or visit the official Brecknell website. For technical support, service, or replacement parts, please contact Brecknell customer service directly. When contacting support, please have your product model number (SBI 140) and item model number (52751-0556) available.