

# Wireless mV Scale Calibration

Wireless TranSend/SendIt transmitter and receiver pairs must be calibrated to the connected load cells before an indicator can be calibrated to the load cells. If the TranSend/SendIt pair is not calibrated, the indicator may have unexpected range limits and distorted weight values.



Manuals are available from Rice Lake Weighing Systems at [www.ricelake.com/manuals](http://www.ricelake.com/manuals)

Warranty information is available at [www.ricelake.com/warranties](http://www.ricelake.com/warranties)

## System Requirements

Specifications subject to change without notice.

Windows® Operating System

Display: 800 x 600 or greater

Built-in serial port or USB to serial port adapter

FTDI chip set required (Tripp-Lite USB/Serial Adapter (PN 153603) recommended - install driver)

JAVA JRE 1.7 or newer

To download and install JAVA JRE: <https://java.com/en/download/manual.jsp>

## Install Software

To install **MSI mV Scale Calibration** program:

1. Open the Rice Lake website and navigate to the MSI-7001 TranSend product page.
2. Download the **MSI mV Scale Calibration** software to the computer.
3. Extract the **MSI mV Scale Calibration** folder.
4. Open the folder and double click on ScaleCoreConnect\_XX-XX.exe.

## Calibrate TranSend/SendIt

Perform the following instructions to calibrate an TranSend/SendIt pair.

1. Connect the receiver unit to the computer through the serial port. See the TranSend/SendIt technical manual for more information on RS-232 serial connections.
2. Power on the transmitter and receiver units.
3. Navigate to and launch the installed **MSI mV Scale Calibration** program on the computer.
4. Select **Calibration** from the setup type drop-down menu.



Figure 1. Calibration

5. Select .

6. Select the COM port the TranSend/SendIt receiver is connected to from the drop-down menu.



**NOTE: All other terminal applications must be closed.**

*If no Com Port selection is available, ensure the serial cables are properly connected, the drivers are installed properly and that the TranSend/SendIt pair is powered up. Once a connection is made, restart the calibration program.*



Figure 2. COM Port Selection


7. Select .
8. Select the **Advanced Mode** checkbox.
9. If necessary, change upper and lower percents detected by the TranSend/SendIt system.



Figure 3. Advanced Mode

10. Select .

11. Enter the total scale capacity.



Figure 4. Scale Capacity

12. Select **Next**.

13. Remove all weight from the scale.



Figure 5. Zero Calibration

14. When scale is stable, select **Next**.

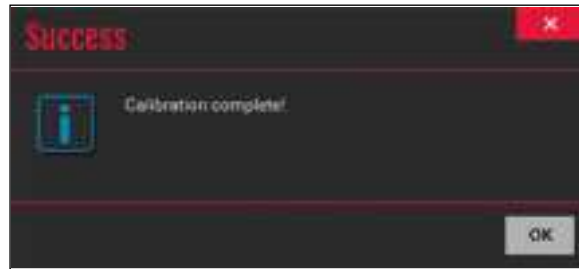
15. Load test weights onto the scale.

16. Enter the value of the test weights in the weight dialogue box.




Figure 6. Span Calibration

17. Select . **Calibration Complete** displays.



*Figure 7. Calibration Complete*

18. Select  to return to the calibration start display.
19. Calibrate the indicator, see the indicator manual for instructions.



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230 W. Coleman St. • Rice Lake, WI 54868 • USA    USA: 800-472-6703 • International: +1-715-234-9171