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Product: Ishida AC-4000 Series

Issue: Calibration Problems

Contents: Resetting calibration settings

Background

The Ishida AC-4000 Series scales provide a new option in the calibration procedure. If problems are encountered during calibration it is possible to reset the calibration parameters to default values. Then the standard calibration procedure is performed.

Normally re-initialization is performed only if weight readings are erratic or either the Load Cell or A/D Board appear to have a problem. Then, before replacing components, the parameters should be reset and the scale recalibrated.

Procedure

1. Turn on the scale while holding down the number **1** key (Test Menu).
2. Release the **1** key.
3. Press the **1** key.
4. Press the **ENTER** key twice.
5. **Press the COPY key (reset the calibration parameters).**
6. Remove all weight from the platter.
7. Press the **ZERO** key (set no load counts to 20000).
8. Place full capacity weight on the platter.
9. Press the **TARE** key.
10. Repeat from step 6 as necessary.
11. Remove all weight and the platter.
12. Remove the plastic seal screw on the front, left of the top cover.
13. Press the Calibration Button.
14. Replace the plastic seal screw and platter.
15. Press the **END** key twice.
16. Turn the scale off and on.
17. Confirm that weight readings are accurate, stable, and repeatable.

Notes

- As documented in Technical Bulletin TB20040603, "Calibration lost after replacing CPU board", the calibration parameters for an AC-4000 Series scales are stored on the CPU board. Therefore, a scale must be recalibrated whenever the A/D board, CPU board, or Load Cell is replaced.

Reference

- AC-4000 Series Service Manual, section 3.3 "A/D Calibration"