

Appendix J: LVS[®] 95XX
Factory Calibration Not Found

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GS1 Solution Partner



Disclaimer

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Overview

Factory calibration settings must be restored if any of the following errors or error messages occur while operating the LVS-95XX software.

The steps in this document guide you through restoring factory calibration settings using the LVS-95XX installation media supplied with your system purchase. If you do not have the original LVS-95XX installation media, contact your local Omron Microscan distributor or Omron Microscan Technical Support for assistance:

Americas_support@microscan.com

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Errors and Error Messages

Error 1

	Goal	Actual
Decodability	???	87
Contrast	???	87
Modulation	???	88
Rmax	???	71

Error 2

Calibration Required

The system has detected that it is out of calibration.
The system must be calibrated again.

OK

Error 3

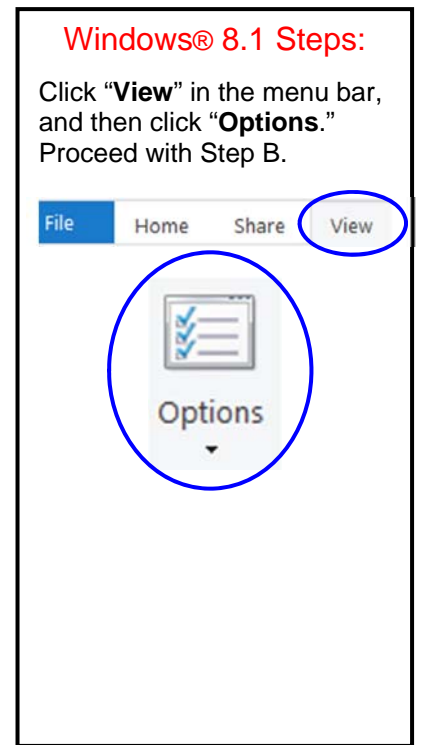
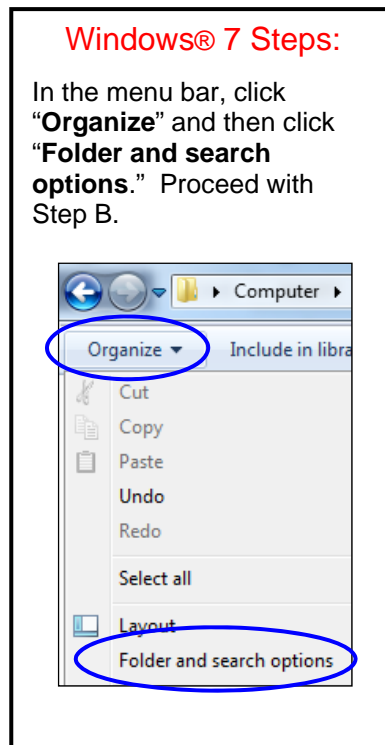
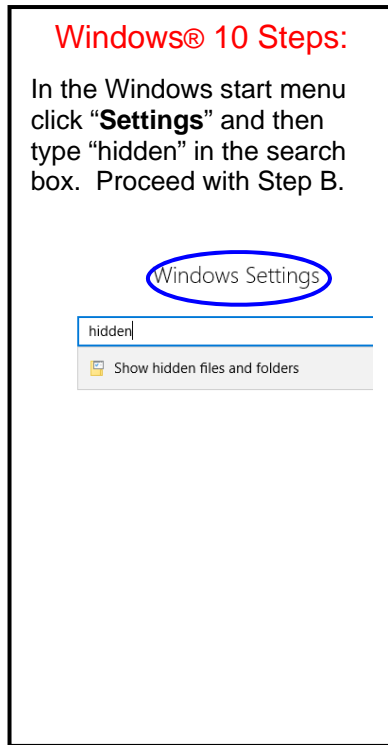
Missing Factory Calibration

Initial factory calibration not found.

OK

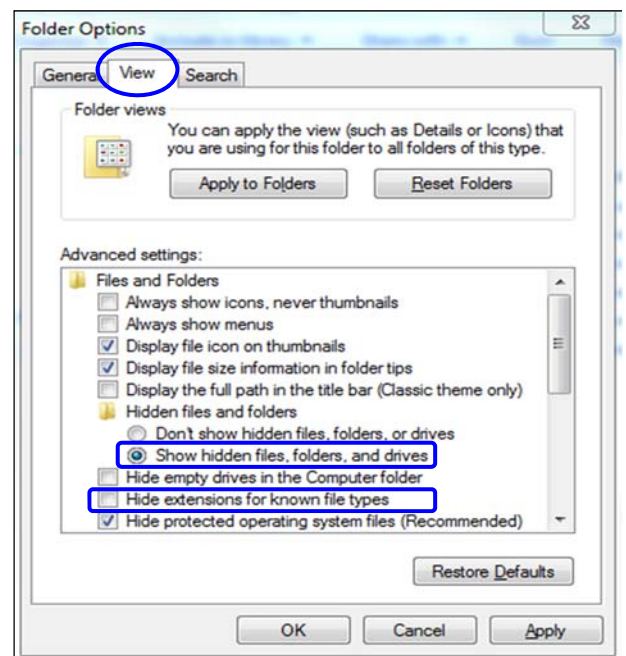
Follow the steps below if any of the above errors or error messages occur while operating the LVS-95XX software.

1. Upcoming steps in this document require you to identify certain folders, files, and file type extensions. To ensure all folders, files, and file type extensions are displayed on your computer, open Windows Explorer and follow step “a” below.
 - a. Locate the operating system running the LVS-95XX software and follow the applicable steps.



b. Click the “**View**” tab and:

- Select “**Show hidden files, folders, and drives.**”
- Uncheck “**Hide extensions for known file types.**”
- Click “**Ok.**” All files, folders, drives, and file type extensions now appear in Windows Explorer.



2. Log on to the LVS-95XX software. Click the “Archive” tab, and then click the “Change SQL connection” button.

The screenshot shows the 'Archive' tab selected in the software interface. On the left, there is a sidebar with various report options, including 'Change SQL connection' which is circled in blue. The main area displays a table of reports with the following data:

ReportID	SectorID	LclTime	Reference	OverallGrade	De
494	1	22-Dec-2009 10:21		4.0/10.660 (A)	000
495	1	22-Dec-2009 10:21		4.0/10.660 (A)	000
496	1	22-Dec-2009 10:21		4.0/10.660 (A)	000
497	1	22-Dec-2009 10:25		4.0/10.660 (A)	000
498	1	22-Dec-2009 10:36		4.0/10.660 (A)	000
499	1	22-Dec-2009 10:47		2.7/06.660 (B)	012
500	1	22-Dec-2009 10:47		2.7/06.660 (B)	012
501	1	22-Dec-2009 10:47		2.7/06.660 (B)	012
502	1	22-Dec-2009 10:47		2.8/06.660 (B)	012
503	1	22-Dec-2009 10:48		2.8/06.660 (B)	012
504	1	22-Dec-2009 10:48		1.0/06.660 (D)	012
505	1	22-Dec-2009 10:48		2.7/06.660 (B)	012
506	1	22-Dec-2009 10:48		3.7/06.660 (A)	012
507	1	22-Dec-2009 10:48		3.7/06.660 (A)	012
508	1	22-Dec-2009 10:48		3.7/06.660 (A)	012
509	1	22-Dec-2009 10:48		3.7/06.660 (A)	012
510	1	29-Dec-2009 11:08		4.0/06.660 (A)	012
511	1	29-Dec-2009 11:08		4.0/06.660 (A)	012

At the bottom of the interface, there is a query input field containing: `Select ReportID, SectorID, LclTime, Reference, OverallGrade, DecodedText Fr` and an 'Execute query' button.

3. Make a note of the “Data Source” path; you will access this path in an upcoming step.

The screenshot shows the 'Setup Connection to SQL Database' dialog box. The ODBC connection string is displayed as follows:

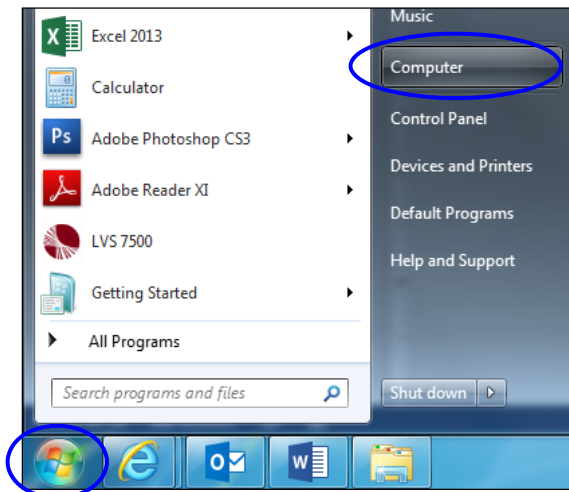
```

Provider=Microsoft.Jet.OLEDB.4.0;
User ID=Admin;
Data Source=C:\Users\Public\LVS-95XX\LVS-95XX.mdb;
Mode=ReadWrite;
Jet OLEDB:System database="";
Jet OLEDB:Registry Path="";
    
```

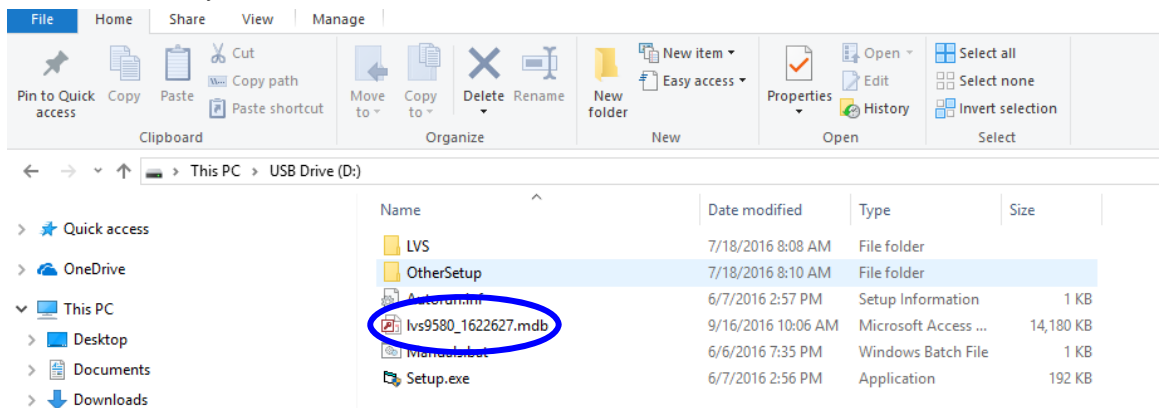
The 'Data Source=C:\Users\Public\LVS-95XX\LVS-95XX.mdb;' line is highlighted with a yellow box.

4. Close the LVS-95XX software and make sure all other computer programs and windows are closed.
5. Insert the LVS-95XX installation media supplied with your system into your computer.

- Click the “Start” button located in the bottom, left corner of the screen, and then click “Computer.”



- Double-click the **USB flash media drive** (usually the D:\ drive).
- Locate the factory **.mdb** file.



If using LVS-95XX software version **3.0.9J or later**, right-click on the 8-digit numerical **.mdb** file and select “Copy.”

- Click on the C:\ drive and navigate to the path noted in step 3. Example: C:\Users\Public\LVS-95XX\LVS-95XX.mdb. Paths differ based on the type of operating system.
- Right-click on the screen and select “Paste.” The **.mdb** file (LVS-95XX.mdb or 8-digit numerical **.mdb**, depending on your LVS-95XX software version) is pasted in the folder.
- If the 8-digit numerical **.mdb** is pasted into the folder, rename the file to **LVS-95XX.mdb**.
- Log on to the LVS-95XX software. Verify that the software calibrates correctly by clicking the “**Calibration**” tab. Place either of the Master Grade barcodes (located on the supplied Calibrated Conformance Standard Test Card) into the center of the field of view, ensuring that the blue line passes through the “PASS” portion of the calibration label. Click “**Calibrate.**”

Successful calibration is indicated by a green “Calibration OK” message in the bottom, right corner of the screen (see example image below). Proceed with step 13.

Failed calibration is indicated by a red “Calibration Needed” message. If calibration fails, contact your local Omron Microscan distributor or Omron Microscan Technical Support:

Americas_support@microscan.com

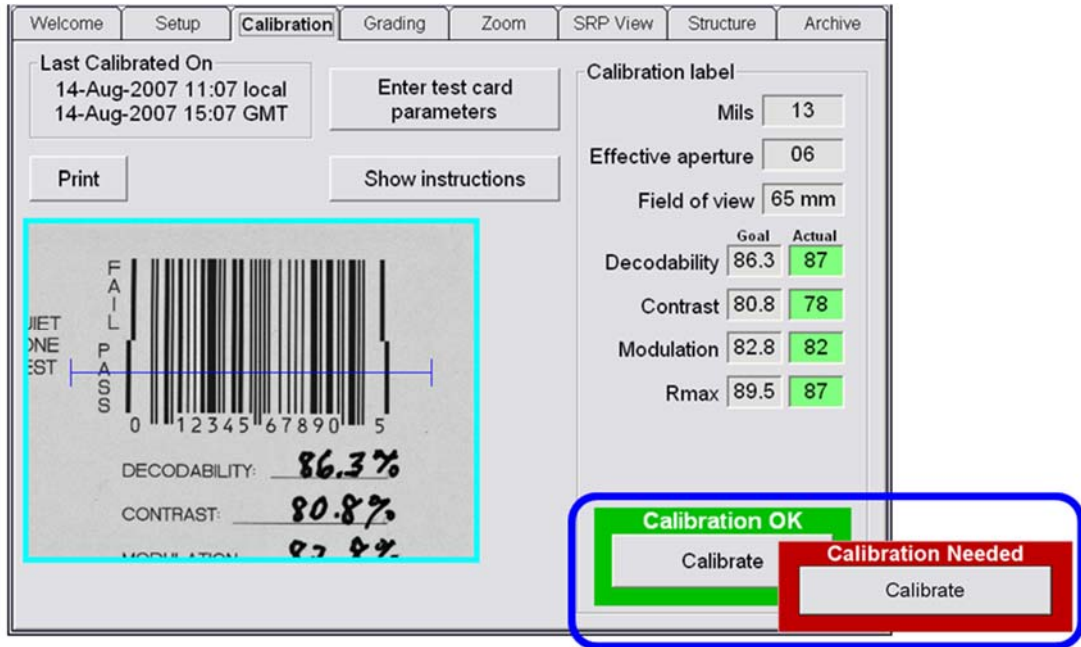
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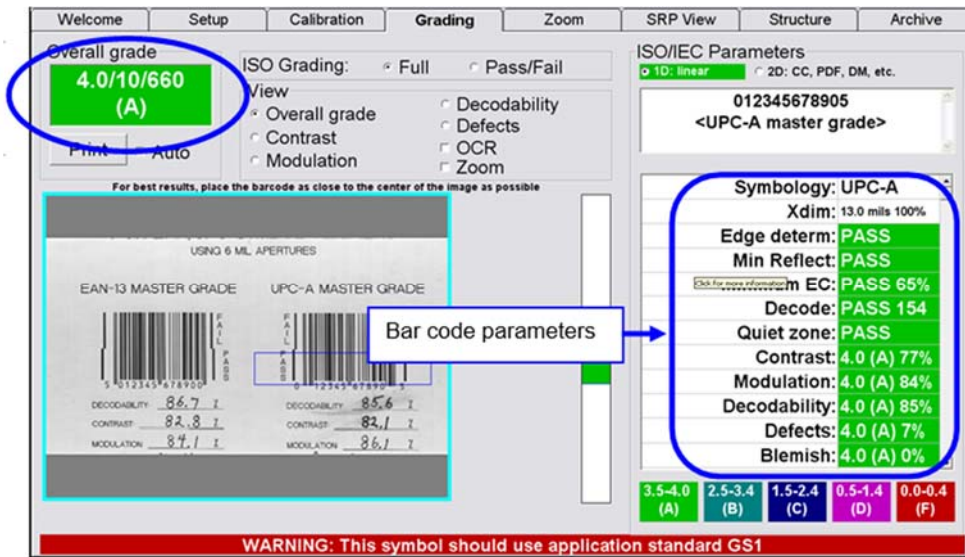
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13. Verify that the software grades correctly by following the steps below:

- With the Calibrated Conformance Standard Test Card in the field of view, click the “**Grading**” tab.
- Grade the barcode image by drawing a box around the PASS portion of the barcode, ensuring enough space for the quiet zone.
- Verify that the “Overall grade” and barcode parameters are shaded green (indicating a passing grade); this is an indication that grading works correctly.

Note: Refer to the “Grading tab” section in the “LVS-95XX Series Barcode Quality Station Operations Manual” (electronic copy located on the installation media) for detailed steps on grading barcodes.



14. If any of the above steps fail to work correctly, contact your local Omron Microscan distributor or Omron Microscan Technical Support:

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