LVS-95XX

Series IQ/OQ Overview

LVS-9510 Desktop Bar Code Verifier
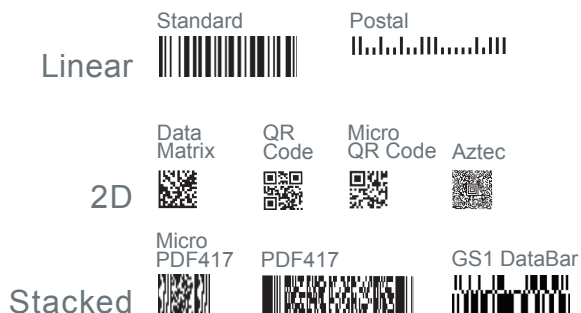
LVS-9510 Desktop Bar Code Verifier

The "LVS-95XX Series Installation Qualification (IQ) and Operational Qualification (OQ) Guideline" assists in validating an LVS-95XX Series system. The document provides guidelines to determine if an LVS-95XX Series system meets IQ and OQ specifications and fulfills its intended purpose. The document can be modified to fit the specifications of the client's validation protocol.

LVS-95XX Series: At a Glance

- *Offline verification of bar codes to ISO/IEC standards.*
- *Inspects all nine of the ISO (ANSI) parameters, plus added features of determining blemishes, opacity, and human readable validation.*
- *Verifies 1D & 2D codes and reports all parameters as specified in the applicable symbology specification.*

For more information on this product, visit **www.microscan.com**.

LVS-95XX: Available Symbolobies

	Standard		Postal	
Linear				

	Data Matrix	QR Code	Micro QR Code	Aztec
2D				

	Micro PDF417	PDF417		GS1 DataBar
Stacked				

Please see the second page for a complete list of supported symbologies.

Installation Qualitification (IQ)

The purpose of IQ is to confirm that the LVS-95XX system was installed correctly. A series of questions are provided pertaining to the installation of the system. In addition, a Calibrated Conformance Standard Test Card for GS1 Symbols accompanies an LVS-95XX system purchase. The Test Card reports on several certified parameters. The LVS-95XX system must demonstrate its ability to stay within +/- 5 percentage points of the parameters listed on the Test Card. The IQ section provides a chart to document and verify each Test Card parameter.

Operational Qualification (OQ)

The purpose of OQ is to demonstrate that LVS-95XX system components operate correctly within established limits and tolerances. OQ sections include:

- **Testing:** This section is designed to certify that the system is working according to factory specifications and according to the following test methods:

  Linear codes (1D): ISO/IEC 15426-1:2000(E)

  Two-dimensional codes (2D): ISO/IEC 15426-2:2004(E)

  To pass the OQ test, each test label supplied with the package is graded twice. The First Test Overall Grade and Second Test Overall Grade must measure within +/- 0.3 of each other's grade point average. The labels to be tested can be taken from the "LVS-95XX Series IQ and OQ Validation Guidelines," supplied by the client, or a combination of both. The labels must have at least a 1.4 grade point average.

- **Operational Status:** This section provides a series of questions about the operational status of the system.

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- **Support Documentation:** This section verifies that supporting documentation is supplied with the system. Sample documents include the "LVS-95XX Series Operations Manual," Preventive Maintenance Schedule, and Certificate of Training Documentation.

- **Electronic Records and Signatures:** This section provides a list of questions associated with the criteria of using Electronic Records and Electronic Signatures with the LVS-95XX system; this pertains to FDA regulations required under 21 CFR Part 11.

- **Training Documentation:** This section provides a place for training instructors to document operational training session information pertaining to the calibration process; calibration test card replacement process; setup screen functions; system verification methods; printing and archiving reports; and software upgrades.

Items Included with Purchase

- Microsoft® Word version of the "LVS-95XX Series IQ and OQ Guidelines"

- Microsoft® Word version of the "LVS-95XX Series Operations Manual"

- One set of twenty five (25) challenge bar code labels (1D and 2D bar codes) for testing (see example images)

1 of 25 Code 39

12345678

Example 1D (Code 39) Bar Code

24 of 25 Data Matrix

Example 2D (Data Matrix) Bar Code

22 of 25 GS1-128x/CC-C

(02) 0 0000123 00001 7
(11) 110415 (17) 110315

Example 2D (Data Matrix) Bar Code

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FCC, CE, UL (Pending)

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