LVS-9585

LVS-9585: At a Glance

- *Verify a broad variety of direct part marks as well as 1D and 2D printed barcodes with a single model.*
- *Software automatically selects best lighting performance from integrated red or white dome and 30° angle lighting.*
- *Validates printed barcodes to ISO/IEC, ANSI, GS1, and UDI print quality standards.*
- *Validates direct part marks (DPM) to ISO, MIL-STD-130, and GS1 standards.*
- *Software options include Multi-Sector for verification of multiple barcodes and GS1 AI content check.*
- *21 CFR Part 11 compliant-ready.*
- *Supports 15 languages with the ability to add more.*
- *Export verification reports to Excel or SQL database.*
- *Includes NIST-Traceable Calibrated Conformance Standard Test Card for calibrating the system.*
- *Optional adjustable mounting stand.*

For more information, visit www.microscan.com/LVS-9585.

LVS-9585: Available Symbologies

Linear: Standard, Postal

2D: Data Matrix, QR Code, Micro QR Code, Aztec

Stacked: Micro PDF417, PDF417, GS1 DataBar

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

Portable Barcode Verification System

The LVS-9585 is a high-performance handheld solution for off-line barcode verification to ISO/IEC, ANSI, and GS1 standards. Featuring a high-resolution 5.0 megapixel camera, the LVS-9585 reads and analyzes linear (1D) and two-dimensional (2D) codes up to 3.0 inches (76.19 mm) wide and up to 2.25 inches (57.15 mm) tall. 1D and 2D direct part marks (DPM) of up to 1.75" x 1.75" (44 mm x 44 mm) can be verified to MIL-STD-130, ISO, and GS1 standards.

The LVS-9585 verifies multiple symbologies, including any combination of linear, 2D (Data Matrix, QR Code, and Aztec Code), and stacked linear (PDF417, MicroPDF, and Composite codes).

Powered by a 10-foot (3.0 m) USB 2.0 cable, the LVS-9585 verifies barcodes on a wide range of surfaces including plastics, PCBs, metal, cardboard, and shipping containers.

ISO/ANSI for 1D

LVS-95XX series barcode verifiers inspect all nine ISO and ANSI parameters for linear (1D) barcodes, have the ability to identify blemishes, and can perform simple human-readable validation.

ISO/ANSI for 2D

The LVS-95XX series verifies 2D codes and reports all parameters as specified in the applicable symbology specification.

Analytical Tools

Equipped with numerous analytical tools to identify and evaluate barcode errors. Problems are color-coded to make problem solving easy.

Software

LVS-95XX software includes GS1 System Symbol Specification Tables. GS1 tables set standards for barcode data structure and how to maintain the quality of codes during barcode creation. Microscan offers an online training course on GS1 tables and how these apply to different organizations.

Software Upgrade: EAIV

The Enhanced Application Identifier Verification (EAIV) option verifies that all GS1 Application Identifiers, such as Expiration Date, Global Trade Item Number (GTIN), and Batch Number, embedded in the data structure of a GS1 barcode match the data programmed in the EAIV feature by the user.

User Permission Options

Manage permissions through LVS-95XX software: Passwords are stored in a local database. All passwords are encrypted, include an expiration date, and count failed password attempts.

Manage permissions through Microsoft Active Directory: User privileges are based on Microsoft authentication and LVS-95XX permissions are assigned based on group membership.

Portability

Connects to the latest Windows OS tablets.

Field of View

- 3.0" (76 mm) horizontal
- 2.25" (57.15 mm) vertical
- DPM: 1.75" (44 mm) x 1.75" (44 mm)

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LVS-9585 SPECIFICATIONS AND OPTIONS

SUPPORTED STANDARDS

Application Standards
AIAG/DAMA/JAPIA/Odette
ALDI
ISO/IEC TR 29158 (DPM Cat 0, 1, 2)
DHL
FPMAJ
French CIP
GS1 General Specifications
HDMA Guidelines
Health Industry Barcode (HIBC)
IFAH
Italian Pharmacode
Japan Codabar
Laetus Pharmacode
Laetus Standard
MIL-STD-130N
Pharmacy Product Number (PPN)
Automatic GS1 or ISO
GS1 (NTIN)
Miniature Pharmacode
Postal (EIB, USPS IMB/Code 128, POSTNET, Japan Post)
PZN-big, normal, small (German Pharmacode)

GS1 US Certification
Data Matrix for Healthcare
Data Matrix (ECC 200)
EAN/UPC
EAN/UPC and extended codes
EAN/UPC with CC
GS1 DataBar Omnidirectional
ITF-14
GS1 DataBar-14 with CC (formerly RSS-14 with CC)
UCC/EAN with Supplementals
UCC/EAN-128
UCC/EAN-128 with CC

ISO Conformance Standards
ISO/IEC 15415, 15416
ISO/IEC 15426-1, 15426-2
ISO/IEC TR 29158 (DPM Cat 0, 1, 2)
All supported ISO/IEC Symbology Specifications

MECHANICAL

Height: 215.9 mm (8.5")
Width: 120.6 mm (4.75")
Depth: 139.7 mm (5.5")
Unpackaged weight:
0.68 kg (1 lb. 8 oz.)
Shipping weight (includes all cables and other items packaged in shipping box):
approx. 1.51 kg (3 lb. 5 oz.)

FIELD OF VIEW

Standard: 76.19 mm (3.0") horizontal
57.15 mm (2.25") vertical
DPM: 44 mm (1.75") x 44 mm (1.75")

MINIMUM BAR CODE X-DIMENSION

1D = 4.0 mils (0.10 mm)
2D = 5.9 mils (0.15 mm)

MINIMUM PC REQUIREMENTS

PC supplied by customer.
Windows® 7 Professional, Windows® 8.1 Pro, or Windows® 10 Pro;
Intel® Core™ i3 or higher;
4 GB RAM;
800 x 600 Screen Resolution;
One USB 2.0 port available per unit.

SUPPORTED SYMBOLOGIES

Linear (1D) Symbologies
Codabar
Code 128, Code 39, Code 93
DataBar
DataBar Expanded and Limited
DataBar Omnidirectional
DataBar Stacked and Truncated
EAN/JAN-13
EAN/JAN-8
Enterprise Intelligent Barcode (EIB)
4-State (4SB)
GS1-128
Hanxin Code
HIBC
Interleaved 2 of 5 (ITF)
ITF-14
Japan Post
MSI Plessey
Pharmacode–Italian and Laetus
PZN 7 and PZN 8
UPC-A and UPC-E
USPS-128
USPS Intelligent Mail Barcode (4-State Customer Barcode)

Two-Dimensional (2D) Symbologies
Aztec
DataBar with CC-A, CC-B, or CC-C
EAN/JAN-13 with CC-A, CC-B, or CC-C
EAN/JAN-8 with CC-A, CC-B, or CC-C
ECC-200 (Data Matrix) including:
- EIB CMDM
- French CIP
- GS1 Data Matrix
- NTIN and PPN

GS1-128 with CC-A, CC-B, or CC-C
MaxiCode
Micro QR Code
MicroPDF417
PDF417
QR Code (non-DPM)
UPC-A with CC-A, CC-B, or CC-C
UPC-E with CC-A, CC-B, or CC-C
Note: CC = Composite Components
Contact Microscan for a complete list of supported ECC-200 (Data Matrix) codes.

ILLUMINATION

Type: Red dome (660 nm); White dome, 30° angle

ELECTRICAL

USB powered 5 VDC @ 180 mA

COMMUNICATIONS

USB 2.0 A plug to Mini-B plug cable
2 m (6.5 ft.)

CAMERA

5.0 megapixel camera
Object distance: Contact

ENVIRONMENTAL

Operating Temperature: 4° to 46° C (40° to 115° F)
Relative Humidity, Operating: 20% to 80% (non-condensing); Relative Humidity, Storage: 20% to 95% (non-condensing)

21 CFR PART 11

The LVS-9585 is certified by GS1 US and is 21 CFR Part 11 compliant-ready.

CALIBRATION

EAN/UPC calibrated conformance test card (included with system)

OPTIONS

LVS-9580/85 Mounting Stand
98-9000125-01
The rugged, anti-tip mounting stand allows the verifier to be held in a fixed position, raised to a 368 mm maximum height and 495 mm horizontal adjustment. The verifier can be rotated a full 360 degrees while mounted, allowing for alignment against the DPM symbol for a broad variety of parts.

Dimensions: 711 mm (28") W x 406 mm (16") H x 254 mm (10") D
Weight: 14.5 kg (32 lb.)

SAFETY CERTIFICATIONS DESIGNED FOR

FCC, CE, UL

RoHS COMPLIANT

QMS CERTIFICATION

www.microscan.com/quality

Warranty – For current warranty information about this product, please visit www.microscan.com/warranty.

GS1 US Solution Partner

TÜV USA Member of TÜV NORD Group
ISO 9001 Registered

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