Enhanced Application Identifier Verification (EAIV)

Enhanced Application Identifier Verification (EAIV) is an optional feature for use with the LVS-95XX Series barcode verifiers.

The EAIV feature 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.

For example, Application Identifier 10 represents a Batch or Lot number. Application Identifier 10 structurally can be any combination of letters (A-Z) and/or numbers (0-9) up to 20 characters in length. EAIV allows the creator of GS1 compliant barcodes containing Application Identifier 10 to define batch/lot numbers to be only six digits in length. Anytime EAIV is enabled for Application Identifier 10 and encounters a barcode where Application Identifier 10 is more or less than six characters in length, the EAIV compliance check will fail the barcode structure.

AI	Description
00	SSCC (Serial Shipping Container Code)
01	Global Trade Item Number (GTIN)
02	GTIN of Contained Trade Items
10	Batch or Lot Number
11	Production Date (YYMMDD)
12	Due Date (YYMMDD)
13	Packaging Date (YYMMDD)
15	Best Before Date (YYMMDD)
16	Sell By Date
17	Expiration Date (YYMMDD)
20	Variant Number
21	Serial Number
240	Additional Item Identification
241	Customer Part Number

Example Application Identifier

EAIV also has the ability to verify data content. Let us assume the barcode can only contain specific data for Application Identifier 10. That is to say, the batch number must be "ABC123" always. In this case, the user can configure EAIV to fail the barcode structure if the six characters are not an exact match to "ABC123."

The EAIV feature can easily be enabled on existing LVS-95XX Series barcode verifiers as a software upgrade and activation code provided with purchase. A training session is also provided with purchase to ensure the user understands the features and functionality of the EAIV feature.

Embedded data	Description	Value
<232>	FNC1	<FNC1>
01	Global Trade Item Number (GTIN)	(01)
00000123000017	Global Trade Item Number (GTIN)	EAIV: '00000123000017' is not a choice for GTIN
10	Batch or Lot Number	(10)
ABC129	Batch or Lot Number	ABC129
<232>	FNC1	<FNC1>
17	Expiration Date (YYMMDD)	(17)
150408	Expiration Date (YYMMDD)	150408

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Enhanced Application Identifier Verification (EAIV)

LVS-9510

LVS-9570

LVS-9580

About the LVS-95XX Series

The LVS-95XX Series barcode verifiers validate the quality and data within 1D and 2D bar code symbologies to ISO, ANSI and GS1 standards. The LVS-95XX Series inspects all nine ISO/ANSI parameters for 1D bar codes, plus added features of determining blemishes, opacity and simple human readable validation. The LVS-95XX Series of verifiers are certified by GS1 US and are 21 CFR Part 11 compliant-ready. The LVS-95XX Series includes the **LVS-9510** (desktop verifier), **LVS-9570** (hand-held verifier) and **LVS-9580** (portable, hand-held verifier).

About Omron Microscan

Omron Microscan is the industry leader of vision inspection with over 35 years of experience. Omron Microscan has developed an oustanding reputation for providing state-of-the-art vision inspection systems coupled with superior customer service.

Our team of experienced barcode experts and vision inspection engineers allows Omron Microscan to lead the way in all aspects of vision inspection, including 100% print quality inspection, bar code verification to ISO, GS1 and UDI guidelines, and machine vision technology.

Omron Microscan systems are installed in over 40 countries and are utilized in over 50 Fortune 500 companies and 200+ Life Sciences companies. Over 80% of Life Science companies rely on Omron Microscan solutions to ensure quality and compliance.

Omron Microscan Systems:

- HDMA Compliant
- 21 CFR Part 11 Compliant-Ready
- 21 CFR Part 820 Compliant
- GS1 US Certified (offline systems)
- Meet FDA regulatory requirements

SAFETY CERTIFICATIONS DESIGNED FOR
FCC, CE, UL (Pending)

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