SATO

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CLNX Plus Integrated Barcode Checker

Enhancing efficiency and quality assurance of label printing

Ensure every label meets your quality standards with SATO's integrated Barcode Checker for the CLNX Plus Series printer — an affordable, reliable solution for verifying the accuracy of printed 1D and 2D barcodes.

Designed to support quality assurance and compliance requirements, the Barcode Checker delivers dependable results with simple setup and seamless operation. The integrated system ensures barcode integrity, whether printing through emulation languages or as graphic images from Windows® applications.

To help prevent the use of poor-quality labels, the CLNX Plus Barcode Checker features an overstrike function that retracts and voids any label if its barcode fails to scan correctly. Users can choose to automatically reprint the label or pause printing, reducing waste and avoiding costly errors.

For organisations with strict labelling mandates, the built-in logging option allows you to record printed label information and create an audit file for upload to host systems, ensuring full traceability and compliance.

Key Features:

☑ Integrated Scanner

☑ Checks the readability and data of printed 1D and 2D barcodes

☑ No additional software needed – Plug & Play integration

☑ Log files for archiving and quality assurance audit

Key Benefits:

☑ Aesthetically pleasing stable device

☑ Low cost, affordable validation solution

☑ Eliminates chargebacks from unscannable barcode labels

☑ Ensures correct data printed by encoding an audit plan

Easily integrates barcode validation with printer operation

Retracts and voids label if barcode cannot be validated

General Specifications

PRINT SPECIFICATIONS

Supported Printer Models   SATO CL6NX Plus / SATO CL4NX Plus

Continuous, Cutter, Cut & Print, Dispense or Linerless
*Not available for RFID models.

Print Speed /Print Darkness

The optimal print speed and print darkness for reading barcodes vary depending on various conditions, such as the barcode type and label layout. It is recommended to perform a test read and determine appropriate settings for label format.

Printable Area (Barcode Readable Area)

Same as the printer specifications. Refer to the CLNX Plus Operator's manual for specific restrictions based on operational settings.

BARCODE CHECK SETTINGS

Enabled/Disabled, Readable, Comparison, Start Position, Void Print, Host Notification, Logs

MEDIA SPECIFICATIONS

Media Width is the same as the CLNX Plus printer specifications. Refer to the Operator's manual for minimum Media Pitch restrictions based on operational settings.

READABLE BARCODE ORIENTATION

Orientation

Ensure the barcode is within the size of the visual field of fixed front mounted scanner. Refer to the CLNX Operator's manual for specifics regarding barcode position and sizing.

1D	0° /180°
2D	0° / 90° / 180° / 270°

SUPPORTED COMMAND LANGUAGES

SBPL/SZPL/SIPL/STCL/SDPL/SEPL *Built-in Barcode Validator functions are not supported when using SATO AEP

BARCODE SYMBOLOGIES

Supported Barcode Symbologies

Refer to the specifications of each barcode scanner for compatibility

1D Symbologies (Linear)

CODABAR (NW-7), CODE39, CODE93, CODE128, JAN/EAN-13/8, UPC-A/UPC-E, ITF, Industrial 2 of 5, Matrix 2 of 5, MSI, GS1-DataBar Truncated, GS1 DataBar Limited, GS1 DataBar Expanded, GS1 DataBar Stacked, GS1 DataBar Stacked Omnidirection al, GS1 DataBar Expanded Stacked

2D Symbologies

PDF417, Micro PDF417, Maxi Code, QR Code, Micro QR Code, Data Matrix, Aztec Code

Combined Symbols

PDF417, Micro PDF417, Maxi Code, QR Code, Micro QR Code, Data Matrix, Aztec Code

SUPPORTED BARCODE SCANNER

1D & 2D Scanner   DATALOGIC GFS4520

*Additional models as tested/required