# Axicon In-Line Barcode Verifier

## axicon
### THE BARCODE EXPERTS

*The Axicon "In-Line" Barcode Verifier – powered by the Axicon 6525-S verifier\**

### Product Summary

Specifically designed for use with thermal printers, the Axicon In-line Verification System utilises CCD imaging technology to provide full ISO grade verification. Identifying common problems such as damaged or dirty printheads, media movement, ribbon creasing, light margin infringements, data content and format errors. A report on the quality of every barcode is displayed instantly on the screen alerting the operator to any deterioration in quality.

A range of reporting tools come as standard including the ability to save the scan file of each and every barcode, or just those that fail; a spread sheet of the results and a summary of every print-run. Easy to use tools providing full auditable traceability - an integral part of any ISO9000 Quality Management system.

### Additional Benefit

The Axicon 6525-S verifier can simply be lifted out of it's cradle to be used as a full ISO/ANSI off-line verifier with more detailed diagnostics screens if desired.

Independently tested and certified to meet international standards, the Axicon 6525-S verifier has been specifically designed for all barcodes where a 5, 6, 10 or 20mil aperture is mandatory (such as EAN8, EAN13, UPC-A, UPC-E, GS1-128 and ITF-14), up to 125mm (4.9") width including quiet zones.

Free software updates are downloadable from our website www.axicon.com, ensuring that your verifier will remain at the leading edge.

> \* A 7025-S version is also available for on-line verification of traded pack codes and pallet labels



**Full ISO/ANSI Verification with a thermal transfer printer.**

The Axicon 6525-S\* verifier can be used both as a full ISO/ANSI "in-line verifier" when used in conjunction with a stand/mount as shown, or it can simply be lifted from the stand to become a fully featured off-line ISO/ANSI verifier with complete diagnostics and analytical information screens.

### Benefits

♦ ISO/ANSI Verification Standards
♦ For Use In-line and Off-Line
♦ Automatic variable aperture
♦ Sequential/Duplicate Label validation
♦ Multiple Barcodes per Label
♦ Scan File and Spreadsheet Reporting Tools
♦ Data Content and Format Checking
♦ "Pause Interface Box" available to halt the printer if the print quality is poor (printer needs an I/O port)

| THE SYSTEM | A full system comprises three parts:- |
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| | a) The verifier which is supplied complete with software (on CD), calibration card, start-up guide etc. |
| | b) A cradle (or mount) for the verifier - Axicon recommend the use of the purpose-designed cradle (part number V1299HS) but users can design and use their own cradle or mount if they prefer. |
| | c) Some thermal transfer printers (but not all) are equipped with an I/O port to enable the printer to be paused – Where this is provided Axicon offer a "Printer Interface unit" to pause the printer in the event of poor quality barcodes. |

## SOFTWARE SPECIFICATIONS

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| Symbologies Verified: | GS1 SYMBOLOGIES: EAN-8, EAN-13 (with or without addons), ITF-14/Case Code, GS1-DataBar (all symbologies), GS1-128, UPC-A, UPC-E (with or without addons). (Subject to barcode length) |
| | OTHER SYMBOLOGIES: Code 39, Code 93, Code 128, Codabar, ITF, MSI Plessey, Pharmacode (Laetus: optional extra and only available as off-line verification). |
| Application Standards: | AIAG, Belgian Pharmacode (MSI), Belgian Pharmacode (Unique), CIP39, Coupon Codes (UK, USA, Euro), Code Vignette, GS1 AI Check, HIBC, ISBN/ISSN, Italian Pharmacode (IMH), LPPR, M&S, PZN, SISAC, Variable Measure Codes (Branded, Instore, Australian). |
| Analysis Performed on Relevant Symbologies: | Full ISO/ANSI Parameter Analysis (Rmin, Rmax, Global Threshold, Symbol Contrast, Min Edge Contrast, Modulation, Defects, Decodability, Decode), Decodability per Symbol Character, Average Bar Gain, Check Digit Validation, Data Length, Nominal Bar Width Analysis (X Dimension), Print Contrast Measurement (PCS), Symbol Structure including Parity, Subsets & Start/Stop Characters, Quiet Zone Validation, Wide to Narrow Ratio Display and Validation. |
| Diagnostics Windows in "in-line" use | Spreadsheet reporting window showing the print quality of all barcodes together with data content checking. A Summary screen is also available at the end of a batch. A "notes" screen can be completed by the user and is held for each batch run. |
| Diagnostics Windows in "off-line" mode | Parameter Detail Results, Dimensional Analysis, Pass/Fail, Scan Reflectance Profile, Static Scan Reflectance, Summary, Traditional Results, Application Identifier Data Content Checker (for GS1-128, GS1-DataBar), Product-Look-Up. |
| Logging: | Scan Saving and Loading - stores complete details of scan file data. Allows for remote diagnostics and also for increased traceability. |
| Calibration Logging: | A record of date and time to show when the hardware has been calibrated is kept - vital for ISO 9000 records. |
| Configurable Options (off line mode) | Audible Warnings, Calibration Expiry Warning, Changeable Pass / Fail and Warning Colours, Optional Check Digit Validation (Code 39, Codabar, ITF), File Saving, Multi-Scan Averaging, Pass Grade, Print Options, Window Sizes and Positions. |
| Error Messages: | Check Digit Error, Data Content Error, Incorrect Wide to Narrow Ratio, Print Quality Failure, Product Look-Up Error, Quiet Zone Error, Reference Decode Algorithm Error, Structure Error, X Dimension Range Checking. |
| Plugins Available: | Code 39 full ASCII, CSV File Saving, Gen Spec, Job Reference, Product Lookup, Text Lookup, Time Zone, UPC, User Data, User Name, (see also Application Standards). |
| Additional Software: | ScanDB – Reporting Tool transferring data from saved scans into a .csv file. |
| | RepGen – Configurable report generation tool. |

## HARDWARE SPECIFICATIONS

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| Dimensions: | 145 x 113 x 128mm (5.7" x 4.4" x 5"), Scan Width - 125mm (4.9") including quiet zones |
| Weight: | 675g (23.8oz) |
| Construction: | Cast Aluminium and ABS plastic |
| Interface: | USB2 (Note this verifier will not work with a USB1 Connection) |
| Power Consumption: | Current draw 150mA – supplied from USB host. |
| Nominal Measuring | 5mil, 6 mil, 10mil and 20mil. |
| aperture | The software automatically identifies the symbology/nominal bar size (X dimension) and adjusts the aperture size in order to comply with the symbology specifications and International Standards. |
| Wavelength of Light: | 660 nanometers |

## GENERAL INFORMATION

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| Print of Analysis: | The verifier produces a spreadsheet containing records for each and every barcode checked during the batch. It can also produce a summary print In off-line verification mode a printed report can be produced on any connected printer. The report will be automatically resized to suit the output media. Printouts can be produced for the main verification information (including: Decoded Number, Time & Date, Number of Scans, Code Type, Average ISO/ANSI Grade, Average Bar Gain, Magnification, Check Character, Quiet Zone & Individual Parameters) Scan Reflectance Profiles, Dimensional Analysis, also for GS1-128 & GS1-DataBar Data Content information and Plugin Results. GS1 Verification Template supported. Customised reports available via RepGen and ScanDB utilities. |
| Standard Accessories: | Transit Case, Calibration Sheet, Start-up Guide, Software CD, Compliance Certificates. |
| System Requirements: | PC running a currently supported version of Windows with available USB2 port |
| Environmental: | Operating Temperature: 10° to 40°C |
| | Storage Temperature: -20° to 70°C |
| | Relative Humidity: 25% to 80% @ 40°C non-condensing |
| Regulatory Approvals | CE Certified, ROSH Compliant. Meets ISO 15416 and 15426-1 standards. Has all the features necessary to meet the requirements of 21 CFR part 11. |
| | Warranty: 2 years parts and labour – return to bench. |

All trademarks are acknowledged as belonging to their respective companies.

Due to Axicon's continuing product improvement programs, specifications and features herein are subject to change without notice.