Axicon 7000 series
PC based Barcode Verifiers

GS1 UK
Accredited Solution Provider

Axicon auto id

PRODUCT SUMMARY

The Axicon 7000 series comprises CCD based verifier hardware and Application software, conforming to the latest ISO/ANSI print quality standards (ANSI x3.182, EN1635 and ISO/IEC15416-1). Our equipment has been independently tested and conforms to ISO/IEC15426-1.

The Axicon 7000 series is designed for all barcodes where a 10 or 20mil aperture is mandatory (such as UCC/EAN-128 and ITF-14), up to 195mm width including light margins. The simple to use design reduces user error and eliminates product damage whilst providing the highest level of accuracy achievable for verification.

Simply install the software on your computer, plug in the verifier and you can be confident that your barcodes are being checked to the highest standards.

Exclusive software upgrade features including .csv file saving and the additional ScanDB software (spreadsheet reporting function), Application Identifier (AI) Data Content Checker and Product Look-Up, can either be supplied as part of the package or as a field upgrade to the standard software.

The Axicon Verifier, when used in conjunction with the accurately produced calibration sheet, forms an integral part of your ISO 9000 quality control procedures.

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

FEATURES/BENEFITS

• ISO/ANSI Verification Standards

• Traditional Verification Standards

• USB or Serial Connection

• Mac OS X version available

• Symbology Auto-Discrimination

• Automatic Variable Aperture (8, 10 & 20 mil)

• Scan Saving & Loading

• Static Reflectance Meter

• Display of X Dimension/Magnification

• AI Data Content Checker (for UCC/EAN-128 etc.)

• Product Look-up Option

• Individual Bar/Space Dimensional Analysis

THE RANGE:

Axicon 7000: Standard Model
(for details see Software Specifications)

Axicon 7015: includes *Product Look-up Option:*
links the software to a database providing a description of the product that the barcode should relate to as well as the quality control information.

AI Checker: (UCC/EAN-128 and RSS):
gives the user descriptions of the application identifiers used and then validates the information, checking for possible structure and content errors (e.g. date errors, check digit errors, incorrect field lengths etc.).

.csv File Saving:
enables verified data to be stored as a .csv file, enabling the user to analyze their results using Excel, Lotus or any similar spreadsheet program. The system can be set to record all data automatically if required.

SOFTWARE SPECIFICATIONS

(Latest software updates can always be downloaded free from www.axicon.com.)

Symbologies Verified: EAN.UCC SYMBOLOGIES: EAN-8, EAN-13 (with or without addons), ITF-14/Case Code, RSS (all symbologies), UCC/EAN-128, UPC-A, UPC-E (with or without addons).
OTHER SYMBOLOGIES: Code 39, Code 93, Code128, Codabar, ITF, MSI Plessey, Pharmacode (Laetus: optional extra).

Application Standards: AIAG, Belgian Pharmacode (MSI), Belgian Pharmacode (Unique), CIP 39, Coupon Codes (UK, USA, Euro), Code Vignette, HIBC, ISBN/ISSN, Italian Pharmacode (IMH), LPPR, M&S, 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 (to ISO standards), Average Bar Gain, Check Digit Validation, Control Characters and Structure Checking, Data Length, Nominal Bar Width Analysis (X Dimension), Print Contrast Measurement (PCS), Symbol Structure including Parity, Subsets & Start/Stop Characters, Light Margin Validation, Wide to Narrow Ratio Display and Validation.

Diagnostic Windows: Details Results Window, Dimensional Analysis, Pass/Fail Window, Scan Reflectance Profile, Static Scan Reflectance, Summary Window, Traditional Results Window.
Options: Application Identifier Data Content Checker (for UCC/EAN-128, RSS), Product-Look-Up Table.

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: Audible Warnings, Calibration Expiry Period, Changeable Pass / Fail and Warning Colours, 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, Incorrect Wide to Narrow Ratio, Plugin Error, Print Quality Failure, Light Margin Error, Reference Decode Algorithm Error, Structure Error, Unsuitable X Dimension.

Plugins available: Free: Code 39 full ASCII, Gen Spec, Job Reference, ext Lookup, Time Zone, UPC, User Data, User Name, (see also Application Standards). Chargeable: AI Checker, CSV File Saving, Product Lookup.

Additional Software: Pharmacode (Laetus) – Decode and Analysis of Laetus Pharmacode.
ScanDB – Reporting Tool transferring data from saved scans into a .csv file.

HARDWARE SPECIFICATIONS:

Dimensions: 215 x 120 x 95 mm (125mm including handle), Scan Width - 195mm (including light margins)

Weight: 1kg

Construction: Cast aluminum, black ABS plastic

Interface: USB or Serial

Power: Current Draw - 180mA. External power required for serial connection - PS2 cable (or optional AT/XT cable) supplied to take power from keyboard port. Regulated 5V PSU also available.

Nominal Measuring Aperture: 8mil, 10mil and 20mil.
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:

Print of Analysis: A printed report can be produced on any connected printer. The report will be automatically resized to suit the output media including S/A labels. 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, Light Margins & Grading Pecentage Value) Scan Reflectance Profiles, Dimensional Analysis, also for UCC/EAN-128 & RSS Data Content information and Plugin Results.

Standard Accessories: Transit Case, Serial Interface Cable with Power Input Cable or USB Cable, Calibration Sheet, Start-up Guide, Software CD, Compliance Certificates.

System Requirements: PC running Windows 95 or later.

ISO/ANSI verifier aperture size:	Aperture	X Dimension	Typical Use
	5mil	Less than 13mil	Non EAN.UCC Symbologies
	10mil	13 to 25mil	Small ITF-14 and all UCC/EAN-128 codes
	20mil	greater than 25mil	Large ITF-14 codes

[For all UPC and EAN retail codes the EAN.UCC specification requires that a 6mil aperture should be used.]

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.

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