

PC-6500 Range

PC Based Bar Code Verifiers



Product Summary

The Axicon PC-6500 range comprises wide-throated CCD based verifier hardware and Windows software, to the latest ISO/CEN/ANSI verification standards.

This totally unique verifier is capable of full CEN Class A verification on codes of up to 125mm width. The simple to use, non-contact design eliminates user error and product damage whilst providing the highest level of accuracy achievable for verification of the common sizes of barcodes.

The Axicon range of PC verifiers provides high quality, sophisticated, yet easy to use barcode quality control. They check all aspects of the printed barcode symbol and present the verification data in a clear and comprehensive manner.

Simply install the software on your PC, plug in the verifier and you can rest assured that your barcodes are being checked to the highest quality standards.

With accurately produced calibration sheets the Axicon PC Verifier can form an integral part of your ISO9002 quality control procedures. Free software updates for life and a software upgrade path ensure that the verifier will remain at the leading edge.

Features/Benefits

- ISO/CEN/ANSI Verification Standards
- Traditional Verification Standards
- CEN Class A Verifier
- Symbology Auto-Discrimination
- Automatic Variable Aperture (5, 6, 10 & 20 mil)
- Scan Storage & Replay
- Static Reflectance Meter
- Display of Nominal Bar Width
- UCC/EAN-128 Data Content Checker Option
- Product Look-up Option
- Individual Bar/Space Dimensional Analysis

	Average	This Scan
Grade (Pass-Fail)	F (8)	F (8)
Average Bar Gain (percentage)	1% (+33.0%)	0% (+33.0%)
Nominal Bar Width	577 µm (96%)	577 µm (96%)
Check Character	OK (10)	
Structure	L, S, S, S	OK
Left Margin	L, S, S, S	Error: -8 (-18)
Right Margin	L, S, S, S	OK: -17 (-18)
Aperture	200 µm	200 µm - option

	Average	%	This scan	%
Overall Grade	F (8)		F (8)	
Min. Reflectance	4.4%	7%	4.4%	5%
Static Contrast	4.4%	41%	4.4%	26%
Min. Edge Contrast	2.7%	26%	2.7%	26%
Static	3.7%	37%	3.7%	41%
Dynamic	4.4%	27%	4.4%	23%
Overall	3.2%	62%	3.2%	58%
Modulation	F (8)	36%	F (8)	46%
Contrast	A (9)	73%	A (9)	71%
Discrimination	F (8)		F (8)	



THE RANGE

- PC-6500:** Standard Model
- PC-6505:** *Product Look Up Option* - links the software to any database so that when you scan the barcode you get a description of the product that the bar code should relate to as well as the quality control information.
- PC-6510:** *UCC/EAN-128 Data Content Checker* - gives the user descriptions of the application identifiers used and then validates the information following, checking for possible structure and content errors (e.g. date errors, check digit errors, incorrect field lengths etc).
CSV File Storage - enables verified data to be stored to disk as a c.s.v. text file to enable the user to analyse their results using Excel, Lotus or any similar Windows spreadsheet program. - can be set to record all data automatically if required.
- PC-6515:** All of the above features.

SOFTWARE SPECIFICATIONS

- **Windows™ based program - free updates for life. Latest software updates can be downloaded from www.axicon.com.**
- **Symbologies Verified:** RSS (all symbologies), EAN-8/EAN-13 and UPC-A/UPC-E (with or without addons), ITF/Case Code, Code 39, Code 39 ASCII, Codabar, Code128, UCC/EAN-128, Italian Pharmacode, HIBC.
- **Analysis on relevant Symbologies:** Full ISO/CEN/ANSI Parameter Analysis - Rmax, Rmin, Global Threshold, Symbol Contrast, Defects, Decodability, Decode, Full Traditional Verification - Print Contrast Measurement (PCS) and Nominal Bar Width Analysis, Light Margin Validation, Check Digit Verification, Data Length, Parity, Control Characters and Structure Checking, Wide to Narrow Bar Ratio Display and Verification, Full Data Encodation including Subsets & Start/Stop Characters, Full Bar/Space Dimensional Analysis/Decodability per Character Set (to ISO standards)
- **Diagnostic screens:** Command screen, Summary and Details results screens, Pass/Fail screen / Traditional results screen, Scan Reflectance Profile, Static Scan Reflectance, Dimensional Analysis. Options: UCC/EAN-128 Data Content, Product-Look-Up Table.
- **Logging:** Scan Storage and Replay - stores reflectance values to enable playback of data and remote diagnostics.
- **Calibration Logging:** A record of date and time to show when the hardware has been calibrated is kept. Especially important for ISO9000 records.
- **User Settable Features:** Time and Date (through Windows), Reflectance Calibration, Pass/Fail Grade, Settable Multi-Scan Averaging.
- **Error Messages:** Audible Warnings, User-Changeable Warning Colours, Check Digit Error, Structure Error, Light Margin Error, Reference Decode Algorithm Error.
- **Plugins available:** See separate sheet.

HARDWARE SPECIFICATIONS

Dimensions	145 x 113 x 128 mm, Scan Width - 125mm (including light margins)
Weight	675g
Construction	Interface Unit - Black plastic
Interface	RS232C Serial to PC Computer
Power	Current Draw - 140mA, External Power Required (supplied with PS2 cable to take power from keyboard port - optional AT/XT cable or 5V Regulated PSU available)
Nominal Measuring Aperture	150microns (6mil) Automatically identifies symbology and nominal bar size (X dimension) and adjusts aperture size automatically in accordance with symbology specifications and International Standards to ensure accurate verification between 125micron (5mil), 150 micron (6mil), 250 microns (10mil) and 500 microns (20mil)
Wavelength of Light	660 nanometers

GENERAL INFORMATION

Print of Analysis: A printed analysis can be produced on any printer for which a Windows' driver is available, (dot-matrix, ink-jet, laser or thermal transfer). The printout will be automatically resized to suit the output media size, enabling verification reports to be printed on self-adhesive labels if required. Printouts can be produced for: the main verification information*, scan reflectance profiles and also for the UCC EAN-128 data content information. *(includes: Time & Date, Number of Scans, Code Type, Average ANSI/CEN Grade, Average Bar Gain, Magnification, Check Character, Light Margin, Scan Analysis and Grading Percentage Values)

Standard Accessories: Transit Case, Bar Code Scale Rule, DB9 Serial Interface Cable, Power Input Cable (PS2), Calibration Sheet and Startup Guide.

System Requirements: IBM or compatible PC (486 or higher preferred), running Windows 95 or higher.

ISO/CEN/ANSI verifier aperture size- nominal bar size ratio guide:

5mil - Less than 330 microns generally the smaller barcodes - see PC-6000 range

6mil - EAN/UPC retail codes and RSS codes.

10mil - 330 to 635 microns Small ITF and all UCC/EAN-128 codes

20mil - Large ITF codes (greater than 635 microns) usually printed directly onto corrugated card and similar codes

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