

PC7000 Range

PC Based Bar Code Verifiers



Product Summary

The Axicon PC7000 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 200mm 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 larger code types.

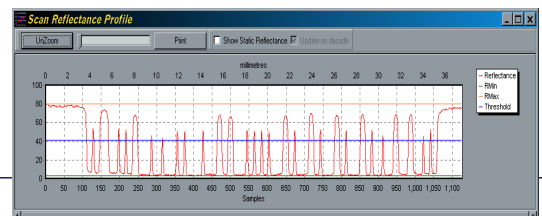
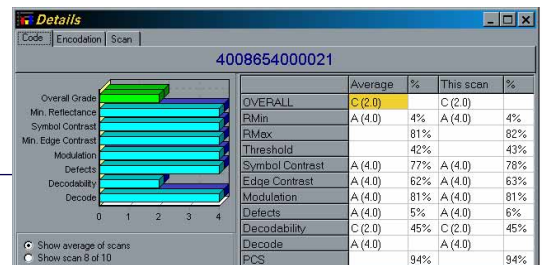
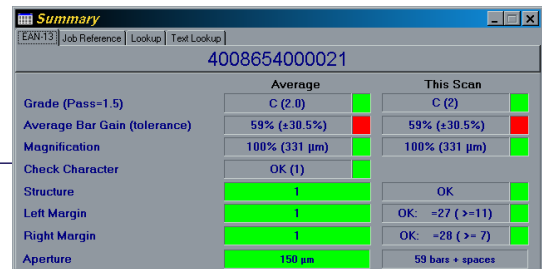
The Axicon range of PC verifiers provide high quality, sophisticated, yet easy to use barcode quality control. They check all aspects of the printed barcode symbol and present the verification data in a clear and comprehensive manner.

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 ISO9000 quality control procedures. Free software updates for three years 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 (10 & 20 mil)
- Scan Storage & Replay
- Static Reflectance Meter
- Display of Nominal Bar Width
- EAN128 Data Content Checker
- Product Look-up Option
- Individual Bar/Space Dimensional Analysis



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- PC7000:** Standard Model
- PC7005:** *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.
- PC7010:** *EAN128 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.
- PC7015:** All of the above features.

SOFTWARE SPECIFICATIONS SOFTWARE SPECIFICATIONS

- **Windows™ based program - free updates for three years if registered**
- **Symbologies Verified:** EAN-8, EAN-13 (with or without addons), UPC-A, UPC-E (with or without addons), ITF/Case Code, Code 39, Code 39 ASCII, Codabar, Code128, EAN128, UCC128, 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)
- **Error Messages:** Audible Warnings, User-Changeable Warning Colours, Check Digit Error, Structure Error, Light Margin Error, Reference Decode Algorithm Error.
- **User Settable Features:** Time and Date (through Windows), Reflectance Calibration, Pass/Fail Grade, Variable Multi-Scan Averaging.
- **On Screen Diagnoses:** Command screen, Summary and Details results screens, Pass/Fail screen / Traditional results screen, Scan Reflectance Profile, Static Scan Reflectance, Dimensional Analysis. Options: EAN128 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 can be kept. Especially important for ISO9000 records.
- **Job Number Storage Ref:** A reference number can be allocated against printouts and stored results. Important for tracking and recalling results.
- **ISBN/ISSN Decode:** Shows original ISBN/ISSN number of EAN13 retail publication bar codes.
- **Coupon Code Decode:** Shows monetary value of standard EAN13 and UCC coupon codes.

HARDWARE SPECIFICATIONS HARDWARE SPECIFICATIONS

Dimensions	202 x 109 x 90(120 incl. handle) mm, Scan Width - 195mm (including light margins)
Weight	1kg
Construction	Interface Unit - Black Powder Coated Aluminium
Interface	RS232C Serial to PC Computer
Power	Current Draw - 210mA, External Power Required (supplied with Regulated 5V PSU - optional AT/XT or PS2 cable to take power from keyboard port available)
Nominal Measuring Aperture	250microns (10mil) and 500microns (20mil). 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.
Wavelength of Light	660 nanometers

GENERAL INFORMATION GENERAL INFORMATION

- Print of Analysis:** A hard copy analysis can be produced on any printer for which a Windows' driver is available, whether dot-matrix, ink-jet, laser or thermal transfer. The printout will be automatically resized to suit the output media size, thus enabling verification reports to be printed to self-adhesive labels if required. Printouts can be produced for: the main verification information*, scan reflectance profiles and also for the EAN128 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:** Carry Case, Bar Code Scale Rule, DB9 Serial Interface Cable, Regulated 5V PSU, Calibration Sheet and User Manual.
- System Requirements:** IBM or compatible PC (486 or higher preferred), Windows 95 or later.

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

5mil - >330 microns (generally the smaller barcodes - see PC-6000 range)

10mil - 330>635 microns (large EAN13 and small ITF EAN128 codes)

20mil - <635 microns (large ITF and EAN128 codes usually printed directly onto corrugated card)

[For all UPC and EAN retail codes both the UCC and EAN International specify that a 150micron (6mil) aperture should be used]

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