



# Axicon 12000 2D Barcode Verifier



## *For DataMatrix and similar barcodes*

### **Product Summary**

The Axicon 12000 2D barcode verifier is designed to give consistently highly accurate results when verifying DataMatrix and other 2D barcodes. All barcodes are verified to the latest ISO, GS1 and Pharmaceutical standards. The Axicon 12000 also provides a solution for a wide range of application standards including Turkish Ministry of Health & CIP.

Designed for all 2D barcodes where an aperture size of 3mil or more is required (up to the scan area available - details overleaf). Aperture size can be set manually or by specifying a required Application Standard.

### **Accuracy, Repeatability and Reliability.**

Axicon have been involved with barcode verification for 30 years and pioneered the use of CCD imaging for verification. With time comes experience and we're not short of either! Actively listening to our clients suggestions, we constantly enhance and improve our system. The result? The most comprehensive and flexible verification solutions on the market.

### **Benefits**

- ISO/ANSI/GS1 Verification Standards
- GS1, CIP & Turkish Pharma Data Content Checking
- Variable Aperture
- Features included to meet the requirements of 21CFR Part 11
- Automatic Recalibration Reminder



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THE BARCODE EXPERTS



**Solution  
Partner**

# Axicon 12000 Barcode Verifier



## Software Specifications

Symbologies Verified: DataMatrix  
(Using alternative software QR code, Aztec code, PDF417, Micro PDF, GS1-Databar, Pharmacode.)

Software specifications below specifically relate to the use of the Axicon 12000 with DataMatrix codes

Application Standards: GS1-DataMatrix, CIP-DataMatrix, Turkish Ministry of Health.

Analysis Performed on Relevant Symbologies: Full ISO/ANSI Parameter Analysis (Symbol Contrast, Modulation, Reflectance Margin, Axial Non Uniformity, Grid Non-Uniformity, Decode, Unused Error Correction and Fixed Pattern Damage).  
Fixed Pattern Damage is then analysed by: Left L side, Bottom L side, Quiet Zone, Transition Ratios, Clock Tracks.

Diagnostics Windows: Summary Screen, ISO Parameter Details Screen, Camera image, GS1-Data Content Checks, Codewords Screen.

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: Application Identifier Checking, Display Colours, Password Control, Scan Averaging.

Error Messages: By ISO parameter, also X Dimension, Bar Gain.

Plugins Available: CIP-DataMatrix AI/Content checking, Turkish Ministry of Health-DataMatrix AI/Data Content Checking, GS1-DataMatrix AI/Data Content Checking, Product Lookup.

## Hardware Specifications

Dimensions: Base : 165mm x 177mm x 175mm high (Base: 6.5" x 7.0" x 6.9" high)

Scan area: Model 12000 : 25mm x 18mm. (1.0" x 0.7")  
Model 12500 : 37mm x 25mm. (1.45" x 1.0")

Weight: 1.6 kgs (3.52 lbs) - verifier excluding power supply unit

Construction: Cast Aluminium

Interface: USB2

Power Consumption: Current draw from USB2 port: Negligible (connection is for data transfer only)  
Power supply unit requires input 110c - 240vac 50/60 cycles Output 25W max.  
(Use only approved power supply - output 12v at 0.8A).

Nominal Measuring Aperture: 3mil  
The software can be set by the user to the required aperture either by aperture setting or by application settings.

Wavelength of Light: 660 nanometers.

## General Information

Print of Analysis: A printed report can be produced on any connected printer.

Standard Accessories: Transit case, Calibration Sheet, Start-up Guide, Software CD, Compliance Certificates.

System requirements: PC running Windows XP or later with a USB 2 port available.

Environmental: Operating Temperature: 10°C to 40°C (50 to 104°F)  
Storage Temperature: -20°C to 70°C (-4 to 158°F)  
Relative Humidity: 25% to 80% @ 40 C non-condensing (25% to 80% @ 104°F non-condensing)

Warranty: 1 Year parts and labour - return to bench.

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