



Features

AIM DPM methodology

ISO/IEC 15415
verification

Multiple lighting options

Automatically variable
aperture

Detailed reports

Axicon 12800

Direct part mark verifier

The Axicon 12800 has been specially designed to verify direct-part-marked barcodes, including Data Matrix, GS1 DataMatrix, QR Code, and GS1 QR Code two-dimensional symbols, whether laser-etched or dot peen. The smallest x-dimension is 0.150 mm or 6 mil. It has nine different lighting options to enable verification in accordance with ISO/IEC 15415 and the AIM Quality Guideline (ISO/IEC TR 29158). The Axicon 12800 allows for the angle of illumination to be set at 30°, 45°, or 90°, as required by the particular application. For 30° illumination, you can choose from four or two sides to minimise the effect of specular reflection. The field of view is 34 mm x 25.5 mm, and the verifier may also be used to verify linear barcodes in accordance with ISO/IEC 15416, provided they are no wider than 34 mm.

Operation

The software allows you to choose between alphabetic (ANSI) or numeric (ISO/IEC) grading of results, and analyses every module for printing defects and highlights any problem areas in the barcode. The individual data fields of a symbol can be easily recognised and checked since they are neatly parsed out of the long string of characters in some 2D symbols and identified for easy reading. The reports for each symbol can be customised, printed and saved as a PDF, and the data can be exported directly into an Excel spreadsheet.

About Axicon

Axicon Auto ID is a world leader in barcode verification, having developed and manufactured our own range of verifiers since 1989. Axicon barcode verifiers are used to measure the quality of linear and matrix barcodes, on all levels of product packaging.



Industry
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Software specifications

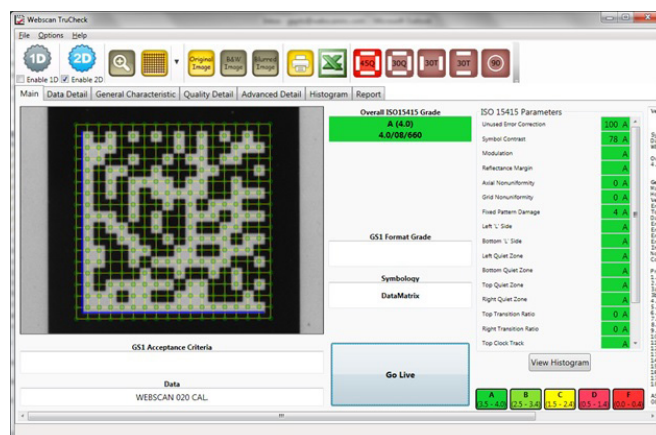
Symbologies verified	Data Matrix, GS1 DataMatrix, QR Code, GS1 QR Code, Aztec, GS1 DataBar, Code 128, GS1-128, Code 39, Codabar.
Analysis performed	ISO/IEC verification, ANSI option, or in accordance with AIM Quality Guideline (ISO/IEC TR 29158).
Diagnostics windows	Main screen (image of barcode, decode, grade etc), data detail, general characteristics, ISO/IEC quality parameters, AIM DPM quality parameters, scan profile, report format.
Logging	To PDF, HTML, CSV or text formats. Includes ability to append to PDF files
Configurable options	Symbology, lighting, application standard, reporting information, print format and content.

Hardware specifications

Dimensions	184mm x 165mm x 177mm (7.25" x 6.5" x 7") - Scan area of 34 mm x 25.5 mm
Weight	2.04 kg (4.5 lbs)
Construction	Aluminium, CCD sensor, LED illumination
Power consumption	Power supply unit requires input 110 - 240vac 50/60 cycles. Power output is 12v at 0.8A.
Interface	USB2
Wavelength of light	660 nm

General information

Relative humidity	5% to 95% at 40 °C non-condensing
System requirements	PC running any currently supported version of Windows - USB 2.0
Environmental	Operating Temperature: 0 °C to 40 °C
Regulatory approvals	CE marking, RoHS compliant. Meets ISO/IEC 15415, 15416, 15426-1 and 15426-2 standards and AIM DPM (ISO/IEC TR 29158) requirements
Warranty	1 year parts and labour - return to bench.



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As Axicon continually improves its products, the specifications and features explained here are subject to change without notice.

