Features

AIM DPM methodology

ISO/IEC 15415 verification

Multiple lighting options

Automatically variable aperture

Adjustable height of up to 150 mm

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.

Axicon 12900
Direct part mark verifier

The Axicon 12900 has been specially designed to verify direct-part-marked barcodes that are difficult to read with other DPM verifiers. The verifier can be raised up to 150 mm above its base so that slightly recessed symbols, and those marked on components can be read more easily.

The verifier is moved vertically by using the manual hand wheel, and the software uses a laser-based distance measuring system to ensure that the image is correctly focused. It can read DataMatrix, GS1 DataMatrix, QR Code, and GS1 QR Code two-dimensional symbols, down to an x-dimension size of 0.152 mm. It has 5 different lighting options to enable verification in accordance with ISO/IEC 15415 and the AIM DPM Quality Guideline (ISO/IEC TR 29158): the angle of illumination can be set at 30°, 45°, or 90°, as required by the particular application.

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 15426-1, provided they are no wider than 34 mm (including quiet zones).

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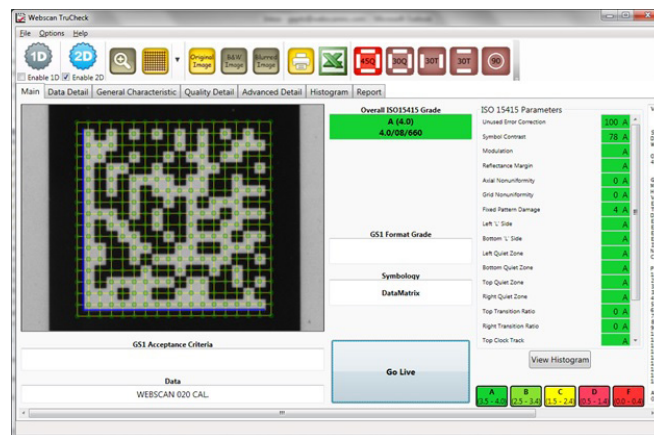
Software specifications

Symbologies verified	Symbologies verified: DataMatrix, GS1 DataMatrix, QR Code, GS1 QR Code, Aztec, GS1 DataBar, Code 128, GS1 128, Code 39, Codabar.
Analysis performed	ISO/IEC verification, and/or in accordance with AIM DPM Quality Guideline (ISO/IEC TR 29158).
Diagnostics windows	Main screen (image of barcode, decode, grade etc), data detail, general characteristics, ISO/IEC 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	(L x W x H) 254 mm x 305 mm x 356 mm (10" x 12" x 14")
Weight	4.54 kg (10 lbs)
Construction	Cast aluminium
Power supply	Power supply unit requires input 110 - 240vac 50/60 cycles. Power output is 12v at 0.8A.
Interface	USB2
Wavelength of light	660 nanometers

General information

Relative humidity	5% to 95 at 40°C non-condensing
System requirements	PC running Windows 7 or later with a USB 2 port available.
Environmental	Operating Temperature: 0°C to 40°C
Regulatory approvals	CE certified, 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.