axicon

THE BARCODE EXPERTS

Features

ISO/IEC compliant verification

GS1, CIP & Turkish pharma

Automatic variable aperture

User configurable

Data content checking

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 12000
2D barcode verifiers

The Axicon 12000 series of two-dimensional barcode verifiers is intended for the verifying of Data Matrix, QR Code, GS1 DataMatrix, GS1 QR Code, GS1 DataBar, PDF and micro-PDF codes. Some models can also verify EAN/UPC, GS1-128 and ITF-14 codes, depending on their size. They are suitable for verifying symbols appearing on product packaging, promotional advertising, and literature, and the 12800 is specially designed for verifying direct-part-marked symbols used on surgical and medical devices, and component parts.

Features & Benefits
Fully compliant with ISO/IEC 15426-1 and 15426-2, the verifier conformance standards, and ISO/IEC 15415 and 15416, the barcode print quality specifications. They also provide the data files needed to meet the requirements of the USA CFR 21 part II regulations.

Hardware
CCD sensor-based 2D barcode verifier. Aperture selectable to suit application standard. Wavelength of light 660 nm.

GS1 UK | Industry Partner

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12000 Series Specifications

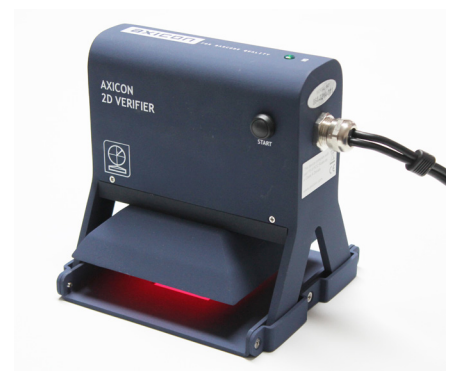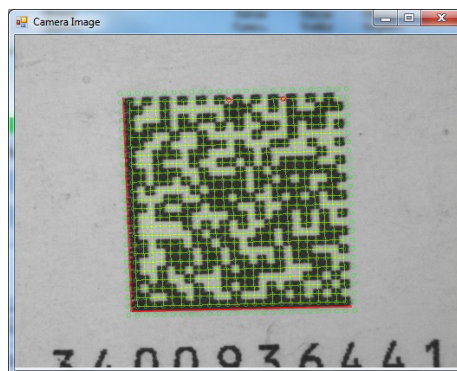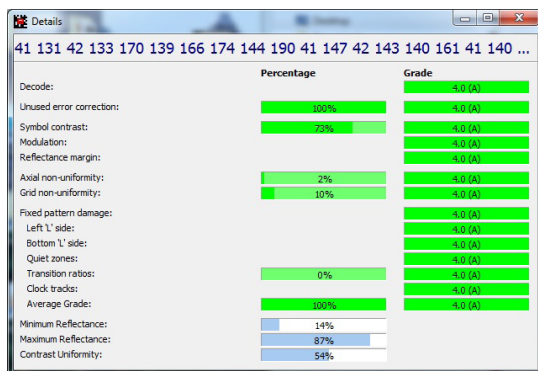| Model Number	Field of view	Light wavelength	Aperture reference	Symbols that can be verified
12000	25mm x 18mm	660nm	03 - 20	GS1 DataMatrix
12500	37mm x 25mm	660nm	03 - 20	GS1 DataMatrix, GS1 QR Code, QR Code, GS1 DataBar, EAN/UPC
12600	51mm x 38mm	660nm	06 - 20	GS1 DataMatrix, GS1 QR Code, QR Code, GS1 DataBar, EAN/UPC, GS1-128
12700	70mm x 51mm	660nm	06 - 20	GS1 DataMatrix, GS1 QR Code, QR Code, GS1 DataBar, EAN/UPC, GS1-128
12800	24mm x 18mm	660nm*	03 - 20	Data Matrix, GS1 DataMatrix, QR Code, GS1 QR Code, Aztec, GS1 DataBar, Code 128, GS1-128, Code 39, Codabar.
12000UV	24mm x 18mm	UV	03 - 20	Special application for GS1 DataMatrix
12000 OMNI	150mm x 112mm	660	03 - 20	GS1 DataMatrix, GS1 QR Code, QR Code, GS1 DataBar, EAN/UPC, ITF-14, GS1-128

* Illumination angles can be 30▫, 45▫, or 90▫ to meet requirements for direct-part-marked symbols.

Hardware specifications

Weight	2.04 kg (4.5 lbs)
Construction	Cast 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	USB 2.0

General information

Regulatory approvals	CE marking (compliant with RoHS and EMC directives) Compliant with ISO/IEC 15415, 15416, 15426-1 and 15426-2 Can meet the requirements of 21 CFR part 11.
Operating range	Operating temperature: 10° to 40°C Storage temperature: -20° to 70°C Relative humidity: 25% to 80% @ 40°C non-condensing.
Warranty	Two years 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.