

axicon

THE BARCODE EXPERTS



Features

100 verification scans per second

ISO/IEC compliant verification

Lightweight and portable

Automatic variable aperture

User configurable

Axicon 7100-S

High speed barcode verifier

The Axicon 7100-S barcode verifier is designed to verify large linear barcodes with a maximum width (including quiet zones) of 200mm (7.8"). This means it can be used to check all barcodes used in general distribution, whether they appear on outer cases or on pallet labels (EAN-13, UPC-A, ITF-14 and GS1-128). For anyone printing 100% sized ITF-14 symbols, or A5 or larger pallet labels, this verifier is perfect.

Features & Benefits

The 'S' range of Axicon verifiers has a continuous scan feature, which means that obtaining at least ten different readings throughout the height of the barcode (as required by ISO/IEC 15416) is much faster. Simply place the verifier slightly above or below the barcode, press the trigger and slide the verifier over the code - in less than a second you can have results of up to 100 scans of the code at different points in the bar height.

Software

Designed to function with any PC running any currently supported version of Microsoft Windows. The software is always updated to meet latest requirements of the GS1 General Specifications, and is available free of charge from our website.

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.



Software specifications

Symbologies verified	EAN-8, EAN-13 and UPC-A (with or without add-ons), UPC-E, GS1 DataBar (all symbols), ITF-14, GS1-128, Code 39, Code 93, Code 128, Codabar, ITF, MSI Plessey, (all symbols no wider than 200mm).
Application standards	AIAG, Belgian Pharmacodes (MSI and Unique), CIP39, Coupon Codes (UK, USA, Euro), GS1 Application Identifier Check, HIBC, ISBN/ISSN, Italian Pharmacode (IMH), LPPR, M&S, PZN, SISAC, Variable Measure Codes (Branded, Instore, Australian).
Analysis	All ISO/IEC parameters, ANSI option, decodability per symbol character, nominal x-dimension, average bar gain, check digit validation, print contrast measurement (PCS), wide-to-narrow ratio, symbol structure, quiet zones.
Calibration logging	Record of date and time for ISO 9001 records
Configurable options	Simplified pass/fail display, number of scans per verification, pass grade, print and file save options, audible warnings, calibration reminder, check digit validation, report generation tool, GTIN validation (with appropriate database). CSV file saving, user data, data checking for various applications

Hardware specifications

Dimensions and weight	240 x 148 x 170 mm (9.4" x 5.8" x 6.6") - 1.34kg
Construction	Aluminium, CCD sensor, LED illumination
Interface and power consumption	USB 2.0 150mA at 5v.
Aperture reference numbers	08, 10 and 20
Wavelength of light	660 nm
Maximum scan width	200 mm (7.8")

General information

Regulatory approvals	UKCA and CE marking (compliant with RoHS and EMC directives) Compliant with ISO/IEC 15416 and ISO/IEC 15426-1 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.

Average		This Scan	
Grade (Pass=1.5)	4.0/10/660 [A]	A [4.0]	
Average Bar Gain (tolerance)	6% (w33.0%)	6% (w33.0%)	
X dimension	502 μm [49%]	502 μm [49%]	
Check Character	OK [43]		
Structure	1..10	OK	
Left Margin	1..10	OK: >=12 (>=10)	
Right Margin	1..10	OK: >=11 (>=10)	
Aperture	250 μm (10)	73 bars + spaces	
Date & Time	20/07/2022 14:03:49		
Reader Info	S0008 (v0301): Resolution=200nm; Wavelength=660nm; Pixel size=99310n		



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