Barcode Verifiers

THE BARCODE EXPERTS

1979 - 2019

axicon

Industry Partner
Axicon Auto ID is a leader in barcode verification, having developed and manufactured our own verifiers since 1989. Axicon barcode verifiers are used worldwide and conform to the international ISO/IEC standards for both linear and two-dimensional barcode verifiers. These verifiers are used to measure both the quality of printed barcodes on all levels of product packaging, and direct part marked symbols.

Our range of barcode verifiers is distributed through a network of international partners, and our clients include major manufacturers and retailers. With our global coverage we can help you wherever you are.

We are also involved in the creation and updating of UK and international standards for identification and barcoding, and work with GS1 groups on the development of the GS1 General Specifications.

Martin Morrison
Managing Director
Axicon Auto ID Limited
## Contents

<table>
<thead>
<tr>
<th>Category</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Linear</td>
<td>6015 barcode verifier</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>6515 barcode verifier</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>7015 barcode verifier</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>S-Range barcode verifiers</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>In-line barcode verifier</td>
<td>9</td>
</tr>
<tr>
<td>Portable</td>
<td>PV range</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>Android app</td>
<td>10</td>
</tr>
<tr>
<td>Linear &amp; 2D</td>
<td>15000 Series linear &amp; 2D barcode verifier</td>
<td>11</td>
</tr>
<tr>
<td>Contact</td>
<td>Contact details</td>
<td>12</td>
</tr>
</tbody>
</table>
All Axicon verifiers are designed to be usable on the factory floor, or in a QA office, and are robust and lightweight. They require only a USB connection to a laptop or computer, so they are portable. Our software ensures that they measure and grade the barcodes using the correct aperture size automatically, and all results may be saved automatically to meet any business requirements.

As well as providing full reports in accordance with the ISO/IEC standards for barcode print quality, the software has plugin options that will check the data content for sector-specific applications. The software for all the verifiers is updated on a continuous basis, with releases to ensure that they are always compliant with the latest application specifications from GS1, HIBCC, and other organisations. All Microsoft operating systems since Windows 7 are supported.

All Axicon verifiers come in a carry case with a user guide and a calibration card. Software updates are provided free of charge, and may be downloaded from our website, www.axicon.com

A brief summary of our ranges of verifiers is provided below, and full specification details are available from our website.

<table>
<thead>
<tr>
<th>Axicon model</th>
<th>Point of sale barcodes</th>
<th>Outercase barcodes</th>
<th>2D barcodes</th>
<th>page</th>
</tr>
</thead>
<tbody>
<tr>
<td>6015</td>
<td>x</td>
<td></td>
<td></td>
<td>5</td>
</tr>
<tr>
<td>6515</td>
<td>x</td>
<td>x</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>7015</td>
<td></td>
<td>x</td>
<td></td>
<td>7</td>
</tr>
<tr>
<td>15200</td>
<td>x</td>
<td></td>
<td>x</td>
<td>11</td>
</tr>
<tr>
<td>15500</td>
<td>x</td>
<td></td>
<td>x</td>
<td>11</td>
</tr>
</tbody>
</table>
Axicon 6015
Point of sale barcode verifier

The Axicon 6015 barcode verifier is designed to verify small linear barcodes (with a maximum length, including quiet zones, of 66mm) typically used on products scanned at the retail point-of-sale. It can verify the following types of barcode: EAN-13, EAN-8, UPC-A, UPC-E, Code 39, Code 128, HIBC, GS1 DataBar, GS1-128, and CIP 39.

Light weight and portable, needing only a USB connection, the 6015 verifies to ISO/IEC standards, with ANSI reporting as an option. Results are immediately displayed on screen, and reports can be printed or e-mailed for remote diagnosis. Reports may be saved automatically to support ISO 9001 quality control procedures. Simple user-friendly calibration, and configuration of how results are displayed. High speed version also available (see page 8).

The reports from Axicon provide information about the barcode print quality and also tell you whether the barcode’s size is correct for the particular application. The data content is also assessed, so that you can be sure the check digit is correct. The software also provides an option where you can look up the scanned barcode in your own database, so that you can check whether the right number has been allocated to the right product.

The Axicon 6000-W Pharmacode Verifier has been specifically designed to meet the requirements for verifying the “Pharmacode” (commonly called the “Laetus” or PCE Code) within the pharmaceutical Industry. This verifier uses a white light source in order to capture all bars regardless of colour. This is an essential tool for all designers and printers of pharmaceutical packaging.
Axicon 6515

Midsize barcode verifier

The Axicon 6515 barcode verifier can be used to verify any of the linear GS1 barcodes with a maximum width, including the quiet zones, of 125 mm.

This means it can be used to check all GS1 symbols used at the retail point-of-sale (EAN-13, EAN-8, UPC-A and UPC-E, GS1 Databar), those used on outer cases (EAN-13, ITF-14, and GS1-128), and on logistics labels (GS1-128).

For checking barcode labels printed using a 100 mm (4 inch) wide printhead, this verifier is perfect.

It cannot be used to check 100% sized ITF-14 symbols, or A5 sized logistics labels printed using a 150 mm (6 inch) wide printhead.

High speed version also available (see page 8).

This verifier uses the same software as the 6015, and 7015 verifiers, which means that interpreting the results is as straightforward as possible. This verifier, with its wider field of view, can check a larger range of barcode sizes and types than the 6015, and the data content checking options are even more useful. These data checking options include HIBCC, various national health service barcodes, as well as GS1 application identifier combinations.
Axicon 7015
Outercase barcode verifier

The Axicon 7015 barcode verifier has a read head width of 195 mm, and is designed for barcodes used on outer cases and pallet labels, especially ITF-14 and GS1-128 barcodes printed directly onto fibreboard.

It can also be used to read EAN-13 or UPC-A barcodes with an x-dimension of at least 0.495 mm (150% magnification).

This verifier is ideal for checking pallet labels, especially those produced on A5 or A4 sized labels. It cannot be used to check barcodes to be used at the retail point of sale.

High speed version also available (see page 8).

The body of this verifier, like that of the Axicon 6015, and Axicon 6515, is made of rigid light weight plastic, and is designed to withstand normal wear and tear while protecting all the optical components. It is relatively light for its size, so it can be easily transported and set up very quickly for accurate verification.
Axicon S-range
High-speed barcode verifiers
6025, 6525 and 7025

These three verifiers are special versions of the 6015, 6515 and 7015 verifiers in that they have a continuous scan feature. This means that obtaining at least ten different readings throughout the height of the barcode (as required by ISO/IEC) 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.

You can also alter the settings of these S-range verifiers to make single scans of a barcode, if this is more appropriate. If you use these with an Android tablet and the Axicon app, you will not be able to use the continuous scanning feature, but you can decide how many single scans you will require for each verification.

The ISO/IEC standards for verification specify at least ten scans per sampled barcode, so the continuous feature makes getting enough scans very straightforward.
Axicon in-line barcode verifier
Using models 6525-S & 7025-S

The Axicon in-line barcode verification system uses the 6525-S or 7025-S verifier to provide full ISO/IEC-compliant results. These verifiers capture 150 scans every second enabling outer case barcodes that are printed at a thermal printer speed of 150 mm/s (6 inches per second) to be analysed at more than 10 different positions through the height of the bars, as recommended in the ISO/IEC linear print quality standard.

The installation of these in-line verifiers will be carried out after an assessment of the particular requirements of the printer and its location. We will also offer help and advice about how best to configure the software to provide usable data for your quality control system.

The Axicon 6525-S is designed to verify all GS1 linear barcodes with a maximum width, including quiet zones, of 125 mm. The Axicon 7025-S will verify outer case or pallet label symbols with a maximum width of 195 mm.
Portable barcode verification
Using PV-1000 and PV-1072

PV-1000
For users who need to be able to walk around to verify linear barcodes, the PV-1000 can replace a laptop or PC connection. Usable with the Axicon 6015, 6515 and 7015 verifiers, but not the S-range versions, the PV-1000 has a small display screen, and stores all the verification reports that can be transferred to the laptop or computer later.

PV-1072
The PV-1072 is Axicon’s simplest barcode verifier, and comprises the portable display unit and verifier read head. The maximum width of barcode, including quiet zones, that may be verified is 66 mm, so this verifier is suitable for all EAN/UPC symbols used at retail point-of-sale. The verification report may be printed on a mobile printer or transferred to a PC for printing to a desktop printer.

Axicon linear verifier app for Android
If you have any of the Axicon linear verifiers, you can use them with this app on an Android tablet to verify your barcodes. The tablet connection is sufficient to power the verifier head, and you can see the grade results immediately. For full details you can transfer the Axicon .scn files to your computer.
Axicon 15000 series
Two-dimensional and linear barcode verifiers

Axicon 15000 series verifiers have been specially designed to read all the two-dimensional barcodes in common use – GS1 DataMatrix, GS1 QR Code, Data Matrix and QR Code – when printed on packaging. As well as these 2D symbols, these verifiers will also be able to verify linear symbols that fit inside their fields of view. The 15000 series verifiers are powered through the USB2 port.

Axicon 15200
The verifier's field of view is 60mm wide and 45mm tall, and can verify up to 18 2D barcodes at the same time. Clicking on each highlighted barcode will bring up the verification results for that particular code. The x-dimension range for these symbols can range from 0.25mm to 1.52mm, so all GS1 options for 2D printed symbols can be verified.

Axicon 15500
This verifier's field of view is approximately 95mm wide and 70mm high, and is designed to read multiple symbols – both linear and 2D – simultaneously. With its larger field of view it can also verify any GS1 linear symbol no wider than 95mm. This means it can be used to verify most GS1 symbols produced by a 100 mm wide thermal printer. The 15500 has been designed to be used conventionally, on its side and upside down, with duplicate control buttons to make using it very straightforward. This means that barcodes on some more awkwardly shaped items can be verified quite easily.
Contacts

Axicon Auto ID Limited
Church Road, Weston on the Green, Oxfordshire, OX25 3QP, UK
Tel: +44 (0)1869 351 155
Email: sales@axicon.com
Web: www.axicon.com

Axicon France
48 rue du Chateau d’Eau
7510 Paris, France
Tel: +33 1 55 06 19 77
Email: info@axicon.fr
Web: www.axicon.fr

Axicon España
Torres Trade, Gran Via de Carlos III, 84
08028, Barcelona, Spain
Tel: +34 93 492 3407
Email: info@axicon.es
Web: www.axicon.es

Axicon Auto ID LLC
3262 Hardisty Avenue, Cincinnati,
OH 45208-3007, United States
Tel: +01 (513) 871 6657
Email: sales@axicon.com
Web: www.axicon.net

Axicon Nederland
Spoorstraat 55-M, 5831 CJ
Boxmeer, Nederland
Tel: +44 79124 78060
Email: wvb@axicon.com
Web: www.axicon.com

Axicon España
Torres Trade, Gran Via de Carlos III, 84
08028, Barcelona, Spain
Tel: +34 93 492 3407
Email: info@axicon.es
Web: www.axicon.es

Axicon Deutschland
Tel: +49 (0)162 5692397
Email: verkauf@axicon.com
Web: www.strichcodequalität.de

Axicon Barcode Services CC
9 Lavenham Road, Rondebosch, 7700,
Western Cape, South Africa
PO Box 23192, Claremont 7735
Tel: +27 216 891124
Email: sales@axicon.com
Web: www.axicon.com

ying qi tiao ma jing ying bu
Xiang Xing Lou B2, No.68 Qian Tou Lu
Dong Cheng Qu, Dongguan, Guangdong
China, 523106
Tel: +86 136 00 285 982
Email: hhy228229@126.com
Web: www.axicon.cn