V12900 Flexhite 2D DPM verifier

The Axicon 12900 2D Verifier with a height-adjustable focus is a device designed to verify 2D codes directly applied to products by laser or micro stroke (DPM), as well as to verify classic barcodes.

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).

Technical Description

Functionality & Operation

2D Code Symbologies	Aztec, QR code, Data Matrix, GS1 DataMatrix, GS1 QR Code
1D Barcode Symbologies	Codabar, Code 128, Code 39, GS1-DataBar, GS1 128
Communication interface	USB
Operating system	Windows 7 or later

Electrical

Power Source	110 - 240 VAC, 12V / 0,8A

Mechanical

Dimensions	Width: 305mm, Height: 356mm Length: 254mm
Weight	4.54kg
Body housing	aluminium

Environment

Operating temperature	0 to 40°C

Others

Certifications	CE, RoHS ISO/IEC 15415, 15416, 15426-1, 15426-2, AIM DPM (ISO/IEC TR 29158)