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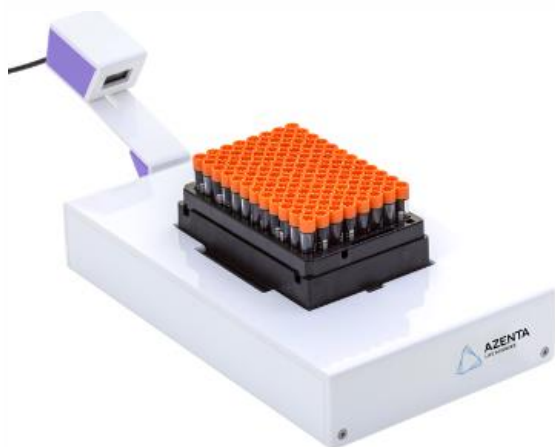
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Scanner-Based Barcode Reader (formerly Impression™)



20-2101-A | Scanner-Based Barcode Reader (formerly Impression)

Developed specifically for integration the Azenta Life Sciences Scanner-Based Barcode Reader offers fast identification of SBS-format racked, 2D-coded sample storage tubes, without the need to remove tubes from racks; backbone of many sample storage and tracking systems, for applications including biobanks, compound libraries and other high-throughput storage environments

- Compact, bench-top whole SBS rack scanner
- Integration friendly
- Small-footprint scanner-based solution
- No decoding attempt for empty tube positions

Overview

Given the variety of 2D coded tubes on the market, the Scanner-Based Barcode Reader is designed and developed with broad compatibility in mind, 2D coded tubes from alternative manufacturers, not only Azenta Life Sciences. Designed and developed entirely with the end user in mind, the Azenta Life Sciences Scanner-Based Barcode Reader offers fast identification of SBS-format racked, 2D-coded sample storage tubes, without the need to remove tubes from racks.

The Scanner-Based Barcode Reader offers the very best optical quality barcode scanning for 2D and 1D barcoded tubes within a rapid whole-rack scanner format with a small footprint. The Scanner-Based Barcode Reader is based on scanning technology and forms the backbone of many sample storage and tracking systems, for applications including biobanks, compound libraries and other high-throughput storage environments. Supplied with a 5-year warranty.

Key Features

- **Compatibility**
 - Compatible with all Azenta Life Sciences 2D data matrix coded tubes, as well as with tubes supplied by other manufacturers
 - Suitable for use with 48 and 96 SBS-format racks
- **Integration Friendly**
 - Solution for rapid reading and integration
 - Includes single position USB 1D linear barcode module for reading linear rack barcodes
- **“No Tube” Feature for Error Elimination**
 - Able to discriminate between a tube with a code that cannot be decoded, and an empty rack position
 - Will not decode empty tube positions, so data files are kept clean
 - Decoding speed is optimized as wasted data entry is eliminated

Specifications

Parameter	Scanner-Based Barcode Reader
Code formats read	datamatrix, ISO 16022, square and rectangular format, ECC200, 0 to 20 grid sizes, white on black, black on white, numeric, alpha numeric, Option: 1D linear barcodes
Sensor type	Colour Contact Image Sensor (CMOS CIS)
Light source	R, G, B LED (variable light source)
Read time	4 to 5 seconds total scan and decode time
Ambient operating temperature	5°C to 55°C
Tube compatibility	Most tubes in 48 and 96 format SBS racks
Dimensions (H x W x D)	51 x 156 x 256mm
Operating humidity	10% to 90% (non condensing)
Power requirements	USB and AC 100 to 240V
User interface	GUI, including Windows TCP/IP, ODBC
Operating systems	Windows 7, Windows 8, Windows 10

Ordering Information

Use these part numbers to request a quote, a demo or to contact an expert:

Part number	Description
20-2101-A	Scanner-Based Barcode Reader (MKI) with Opticon Linear Barcode Reader Small Form Factor Whole rack reader for racks of 48 / 96 2D labelled tubes; small-footprint scanner-based solution for rapid reading and integration; small form factor scanner has a lower depth of focus and is not suitable for all racks
70-2010	Single Position USB Linear Barcode Reader, for Scanner-Based Barcode Reader range; 1 per case

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