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Краснодар (861)203-40-90
Красноярск (391)204-63-61
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Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
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Сочи (862)225-72-31
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Ярославль (4852)69-52-93

Киргизия (996)312-96-26-47

Россия (495)268-04-70

Казахстан (772)734-952-31

<https://azenta.nt-rt.ru/> || aez@nt-rt.ru

Single Tube Reader



FLX-20-1003 | Single Tube Reader

Single Tube Reader range comprises high-performance, easy to use, portable readers developed with broad compatibility in mind, reading any 2D coded sample tube currently on the market, not only those supplied by Azenta Life Sciences

- Compatible with all 2D coded tubes
- Instant and error-proof 1D and 2D-code reading
- Fast set up
- Mobile decoding
- Direct data export to any application
- FreezerPro® compatible

Overview

Given the variety of 2D coded tubes on the market, the Single Tube Reader is designed and developed with broad compatibility in mind, reading any 2D coded sample tube currently on the market, not only those supplied by Azenta Life Sciences.

High-performance, easy to use, portable readers, with the dual capability of decoding any 2D data matrix coded tube and reading any tube or rack carrying a 1D linear barcode. Single Tube Readers are supplied with a 5-year warranty.

Key Features

- **Compatible with All 2D-Coded Tubes**
 - Compatible with all Azenta Life Sciences 2D and/or 1D barcoded tubes
 - Compatible with all 2D data matrix coded tubes, including those supplied by Greiner, Matrix, Nunc, LVL, Micronic

- Can quickly scan and read any tube, regardless of size: 24, 48, 96, 240, 384 formats, as well as larger capacity tubes including glass compound storage tubes, cryo tubes and biological sample tubes
- **Instant 1D & 2D-Code Reading**
 - Takes less than one second to scan any 2D-coded tube and display the result
 - Large scanning window and superior decoding technology for quick and easy decoding of 1D barcodes on racks and tubes
 - Tube ID is displayed instantly on the computer screen for identification or sample entry
 - Alternatively, the application can be run in the background
- **Error-Proof Barcode Reading**
 - Blue LED target lights are emitted so that positioning the barcode for scanning is error proof, even when the user is wearing gloves
 - Single Tube Reader automatically scans the code (1D or 2D) and confirms a “good read”
- **Direct Data Export to Any Application**
 - Azenta Life Sciences keyboard wedge allows you to enter the results into any application
 - Simply place the cursor where the data is to be entered before scanning the tube
 - The data will instantly be displayed wherever the cursor is positioned
 - Single Tube Reader will insert tube data into any application, such as Excel, Notepad, etc.
- **Fast Set Up**
 - No need to calibrate, no drivers or software to install
 - Starts working when plugged into a PC or laptop, no external power supply is required due to USB connectivity

Specifications

Parameter	USB Single Tube Reader	Wireless Single Tube Reader
Code formats read	2D Data Matrix®, 1D linear barcodes, QR codes, ISO 16022, square and rectangular format, ECC 200, 0 - 20 grid sizes, white on black and black on white, numeric and alphanumeric	
Sensor type	sensor CMOS 1.2 Megapixel (1280 x 960) gray scale	
Light source	red LED with blue targeting LED	
Read time	< second per tube or rack, either 1D or 2D	
Ambient operating temperature	-20°C to 55°C	
Tube compatibility	reads single tubes from SBS format racks, either in 24, 48, 96, 240 or 384 formats; as well as glass compound storage tubes, cryo tubes and biological sample tubes	
Dimensions (H x W x D)	38 x 59 x 150mm	45 x 75 x 196mm
Operating humidity	5% to 95% non-condensing	

Power requirements	USB connection 5vdc (mA): typical = <200mA idle = <90mA	Reader @ 4.2vdc (mA): typical and peak = 362mA idle = 80mA
Communication interface	USB 2.0 HID	Bluetooth (Class II) BT Modem: USB 2.0 HID
Operating systems	Windows XP, Windows Vista, Windows 7, Windows 8, Windows 10, Windows CE, Mac OS X, Linux	Wireless Bluetooth HID mode: iOS, Android OS, Windows 8 mobile edition, (Also Windows XP, Windows Vista, Windows 7, Windows 8, Windows 10, Windows CE, Mac OSX and Linux) USB Bluetooth Modem mode: Windows XP, Windows Vista, Windows 7, Windows 8, Windows 10, Windows CE, Mac OSX and Linux

Ordering Information

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

Part number	Description
Single Tube Reader	USB "Plug and Play" single tube reader with large window for all 2D Data-Matrix labelled tubes and 1D Linear barcodes, hardware decoding with USB Keyboard wedge

FLX-20-1003 BUY ONLINE*	1 reader
Wireless Bluetooth Single Tube Reader Bluetooth, portable single tube wireless reader with large window for all 2D Data-Matrix labelled tubes and 1D Linear barcodes, hardware decoding with Bluetooth, no drivers or software required	
20-1025-A	compatible with iPad/Android Tablets and PC/MAC computers with Bluetooth; 1 reader
20-1025-C	with wireless modem; supplied with Bluetooth USB modem, for use with any PC; 1 reader

*Online availability to US only

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