Analyticon Biotechnologies AG
35104 Lichtenfels, Germany

date: 21. November 2012
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01. General device description Urilyzer 100 (Pro)

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01. General device description Urilyzer 100 (Pro)

1. General description

The Urilyzer 100 analyzer is a lightweight instrument for reading CombiSceen Plus urinalysis strips (CombiScreen 11SYS Plus, CombiScreen 7SYS Plus and CombiScreen 5SYS Plus). It is a reflectance photometer that analyzes the intensity and colour of light reflected from the reagent areas of the strip. It is designed for In Vitro Diagnostic (IVD) use by qualified physicians and laboratory staff; however no special training is required to operate the instrument.

The analyzer can be set up to be as simple or sophisticated as you prefer. You may simply insert a dipped urinalysis strip into the analyzer and the result will be reported. By modifying the user options the measurements can be automatically started, printed and transferred.

Alternatively, you have the option to enter the Sample ID, Patient ID, and colour and clarity of the specimen manually. This added information will be reported along with the test results. The system also allows full customization to determine which fields appear on the printouts. You can also enable the user management features, thus the Operator ID is also recorded with the test results. The advanced security functions may also prevent unauthorized use through configurable settings. These features can be set independently.

The touch screen displays instructions and prompts you through the operation of the analyzer. In addition, you enter information through the touch screen. A barcode reader or an external keyboard can also be connected for accurate data entry to reduce transcription errors.

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2. Specifications

The Urilyzer 100 and the Urilyzer 100 Pro have got several features, which facilitate the daily routine work and ensure a reliable and highly standardized urine analysis:

2.1   Technical Specifications

Type:	reflectance photometer with 4 discrete wavelengths 505, 530, 620, 660 nm
Throughput:	maximum 50 strips/hour (in normal mode)
Display:	3.5" QVGA touch-screen LCD (resolution: 240x320)
Memory:	Urilyzer 100: 1000 test results / 500 QC results ()
	Urilyzer 100 Pro: 3000 test results / 1000 QC results
Printer:	internal thermo printer (roll diameter max. 60mm)
Dimensions:	Width: 208 mm (8.2 inches)
	Depth: 280 mm (11 inches)
	Height: 69 mm (2.7 inches)
Weight:	1.14 kg (unpacked, without power supply)
Power supply:	100...240V AC ± +10% -15%, 50/60Hz ± 5% external mains adapter
Interfaces:	PS2 (external keyboard, barcode reader)
	serial RS232
	USB Type B
	USB Type A
	Ethernet (Urilyzer 100 Pro only)
	microSD card holder (Urilyzer 100 Pro only)

Operating conditions:

Altitude: 3000 m (9842 ft)

	Optimum	Operating	In storage
Temperature:	20℃ to 26℃	15℃ to 32℃	-10℃ to +60℃
Relative humidity: (non-condensing)	35% to 55%	20% to 80%	20% to 85%

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2.2   Product Presentations

Urilyzer 100

Urilyzer 100 Pro

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2.3   Pack List

Analyzer	1 x Urilyzer 100 **or**
	1 x Urilyzer 100 Pro
Accessories	2 x Test strip holder
	1 x Check strip
	1 x Power supply (AC Adapter 100–240 V, 50/60 Hz)
	1 x Power supply cord
	1 x Roll Thermal printer paper
	1 x User Manual on CD
	Quick reference guide(s)