

– designed
to analyse

Key facts

- **Multiparameter Analyzer System**
- **Easy to use**
 - The cartridge contains alle reagents for one test
 - No sample preparation
 - Only a single drop of sample material
 - Varying kinds of sample material
 - Local language selection
 - Colour touch display
- **Rapid results**
 - Automatic analysis
 - Short test time
- **Reliable and secure operation**
 - Self-testing
 - Self-calibrating
 - Integrated error detection system
 - Easy upgrade for future Afinion™ tests



Concept

Afinion™ AS100 Analyzer is a POC testing system designed to analyse Afinion™ Test Cartridges.

Each Afinion™ Test Cartridge contains an integrated sample collection device and all necessary reagents for one single analysis.

User-friendly operation



When the Analyzer is switched on, a self-test is performed automatically and a start-up menu is displayed.



The lid opens and a Test Cartridge can now be placed in the cartridge chamber.

When the lid is closed the sample is analysed automatically.



The patient test result is displayed on the Analyzer display.

User options

Operator ID

Entering the operator's identification (ID) is optional. Both letters and numbers can be used.

Patient ID

The patient ID can be entered manually or by using a barcode scanner.

Convenient configuration

The configuration menu includes the following possibilities

- Language selection
- Select Patient ID on/off
- Enter date
- Enter time
- Display adjustments

A new concept in Point of Care testing

Rapid results

When the lid is closed the Analyzer immediately starts processing the Test Cartridge. An efficient transport system moves the Test Cartridge to a compartment for automatic analysis.

The detection system registers the transmitted or reflected light and converts it to a test result. The test result is displayed on the screen and saved in the result records memory.

An internal digital camera monitors the entire process.

Reliable operation

The Analyzer's self-test ensures that the instrument is operating accurate and correctly. The self-test validates the hardware and software and is run automatically once the Analyzer is switched on.

Secure operation

Manual calibration by the operator is not required. The lot specific calibration data is stored in the barcode on the Test Cartridge.

Unique error detection system

All functions are continuously monitored and controlled. The error detection system detects common operator errors, cartridge errors and instrument errors. If an error occurs, the test is rejected and no result is reported. An information code is displayed.

Multi-assay Analyzer

The Test Cartridge barcode contains all information the Analyzer requires to differ between different tests and test lots. The unique Afinion™ technology allows a variety of sample materials and test principles to be applied. The Analyzer can easily be upgraded with new Afinion™ tests via an USB Flash Drive.

Technical data

Dimension

Size: 320 x 170 x 170 (mm)

Weight: 5 kg

Display

Standard LCD colour display with back light and integrated touch panel

Communication interface

RS-232 C

USB 1.1

Software update

via USB Flash Drive

Power supply

Separate AC to DC mains adapter:

Input: 100-240 VAC, 50-60Hz, 40W

Output: 24 VDC ±5% 1.7A

Result storage capacity

500 patient results

500 control results

Operating conditions

Temperature: 15-32°C

Relative humidity: 10-90%, non condensing

Optional accessories

(Not provided with your Afinion™ AS100 Analyzer)

- External barcode reader – for reading barcoded sample or operator identification
- Printer – for optional print out of test results
- PC – for data transfer to HIS or LIS systems

Afinion™ Tests

- HbA1c
- CRP
- ACR

In development:

- PT-INR



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