

Coagulyzer 1, 2 and 4



new

Efficient solutions
for your hemostasis
laboratory



new

Coagulation

The new family of Coagulyzer instruments provides flexible solutions for your hemostasis laboratory. The line offers a 1-, 2- and 4-channel analyzer as well as a fully automated system, covering the low to mid volume laboratories. The four analyzers combine the advantages of mechanical and photo-optical clot detection in the turbodensitometric measuring principle. All instruments are compact stand-alone systems, which have been designed with a clear focus on being user friendly, reliable and cost effective.

For the routine assays PT, APTT and Fibrinogen Analyticon offers a complete system with reagents, controls and calibrators. The calibration data for those tests is provided on a chipcard and can be easily uploaded onto the Coagulyzer 1, 2, 4 and 100. Further tests can easily be adapted to the coagulation analyzers.

Measuring Principle

- Turbidensitometric with automated start function
- Opto-mechanical principle with automatic zero adjustment and magnetic stir bar that homogenizes the test suspension and increases the sensitivity

Tests

- PT, APTT, Fibrinogen (others on request)



Coagulyzer 1



Measuring Unit

- 1-measuring channel
- Controlled at $37.4^{\circ}\text{C} \pm 0.4^{\circ}\text{C}$
- 1 reagent position
- 4 cuvette positions

Test Volume

- Micro Cuvette for single use
- Min. 150 μl - max. 300 μl

Features

- Editable reagent parameters
- 7 pre-programmed test positions
- Automated calculation of seconds, INR, %, g/l, mg/dl, Ratio
- Calibration curves editable up to 9 measuring points
- Automatic cuvette detection
- Reagent settings can be loaded/stored via ChipCARD[®]

Interfaces

- ChipCARD[®] reader
- 1 x RS232C

Technical Data

- Power supply 100 V–240 V, 47–63 Hz, 260 mA
- Output: 12 VDC \pm 0.8 A
- Weight: 0.7 Kg
- Dimensions: 16.6 x 17.5 x 8 cm (WxDxH)

Options

- Connection to an external printer, recommended (Seiko Epson DPU-414)

Coagulyzer 2



Measuring Unit

- 2-measuring channels
- Controlled at $37.4^{\circ}\text{C} \pm 0.4^{\circ}\text{C}$
- 4 reagent positions (1 stirred)
- 18 cuvette positions

Test Volume

- Micro cuvette for single use
- Min. 150 μl – max. 300 μl

Features

- 15 freely editable test positions
- 7 pre-programmed test positions
- Automated calculation of seconds, INR, %, g/l, mg/dl, Ratio
- Calibration curves editable up to 9 measuring points
- Automatic cuvette detection
- Multi-language software
- Reagent settings can be loaded/stored via ChipCARD[®]
- Data transmission to SD-Card or external PC
- Internal printer

Interfaces

- ChipCARD[®] reader
- SD-Card reader
- 1 x RS232C, 1 x USB

Technical Data

- 115/230 V, 50/60 Hz switchable
- Weight: 3.9 Kg
- Dimensions: 35.1 x 25.9 x 7.3 cm (WxDxH)

Options

- Electronic Start-Pipette
- External printer connectable

Coagulyzer 4



Measuring Unit

- 4-measuring channels
- Controlled at $37.4^{\circ}\text{C} \pm 0.4^{\circ}\text{C}$
- 4 reagent positions (1 stirred)
- 16 cuvette positions

Test Volume

- Micro cuvette for single use
- Min. 150 μl – max. 300 μl

Features

- 15 freely editable test positions
- 7 pre-programmed test positions
- Automated calculation of seconds, INR, %, g/l, mg/dl, Ratio
- Calibration curves editable up to 9 measuring points
- Automatic cuvette detection
- Multi-language software
- Reagent settings can be loaded/stored via ChipCARD[®]
- Data transmission to SD-Card or external PC
- Internal printer

Interfaces

- ChipCARD[®] reader
- SD-Card reader
- 1 x RS232C, 1 x USB

Technical Data

- 115/230 V, 50/60 Hz switchable
- Weight: 3.9 Kg
- Dimensions: 35.1 x 25.9 x 7.3 cm (WxDxH)

Options

- Electronic Start-Pipette
- External printer connectable

The Coagulyzer line – Efficient solutions for your hemostasis laboratory

The new family of semi-automated Coagulyzer instruments are designed for the low volume to mid volume labs. They combine the advantages of mechanical and photo-optical clot detection in the turbodensitometric principle.

Reliable and accurate

- Results are automatically calculated in seconds, %, mg/dl or g/l and ratio.
- Temperature controlled incubation block at 37.4 °C
- Sample mixing by magnetic stir bar during measurement
- Errors due to external light influence are excluded by the use of light protection caps

Agile and easy-to-use

- Automated cuvette detection and automated start function
- Easy-to-use and straightforward operation via a membrane keypad
- Pre-programmed methods for PT, APTT and Fibrinogen
- Calibration data is provided on a ChipCARD®

Efficient and affordable

- Minimal sample volume is required for the half-volume single cuvette testing
- Memory function for reference curves
- Ideal back-up solutions for the fully-automated Coagulyzer 100



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