

# TECO



## COATRON® A4

FULLY AUTOMATED COAGULATION ANALYZER FOR CLOTTING, CHROMOGENIC AND IMMUN-TURBIDIMETRIC METHODS. FOUR CHANNELS, HALF VOLUME FOR CLOTTING.

### Fully automated Hemostasis Analyzer

#### Special features of the Coatron A4:

- **SYSTEM**

Ultraviolet light (400 nm). The measurement amplification is adapted Photometric measurement principle with high-resolution 4-channel optics, automatically to the methods used. Extraneous and scattered light energy is absorbed.

High-precision XYZ pipetting system with liquid level sensor

Long living and flexible Cap Piercing needle for primary tubes such as BD Vacutainer® or Sarstedt Monovette®.

Integrated ID-barcode reader

Bi-directional Interface for PC-Link to LIS.

Optional trolley to enlarge the waste management

Integrated graphical thermal printer

Heated and cooled positions for reagents

Integrated drawers for consumables

- **SOFTWARE**

- Approved and highly accurate detection algorithm based on optical density. The clotting time is defined at the turning point of reaction.
- An intuitive TECO familiar graphical user interface with „Plug and Go” feeling.
- Multi language dialogue. (English, German and other)
- Random access scheduler. Profiles can be performed as batch or selective.
- Positive sample identification (ID and rack position) either manual or with barcode scanner
- Fast and easy processing of STAT samples
- Free programmable test protocols to change or adapt new tests
- Calculation of activity %, INR, Ratio, g/L, mg/dL and more.
- Calibration curve can be identified with up to 6 points per test. The results can be calculated with regression line analysis or linear interpolation.
- Single or double determinations
- Simple firmware update

- **SPECIAL FUNCTIONS**

- Automatic plasma dilutions up to 1:100
- Automatic cleaning cycles
- Automatic test calibration routines
- Automatic quality control
- Automatic or manual printout
- Automatic test skip, if reagent run out.
- Quality control according to Westgard rules \*
- Result traceability \*
- Patient monitoring for long time periods \*
- Reaction curve monitoring \*

- **ECONOMIC**

- Half volume procedures resulting in 50% cost savings.
- Reagent dead volume is below 300 µL
- Very economic consumption of rinse and cleaning solution.
- Cuvette with no mixing bars, etc.
- All critical system parameters are monitored and make the instrument nearly free of service.



- **INSTRUMENT DETAILS**

<b>Coatron A6 Plus Coagulation analyzer</b>	<b>Fully automated dual-Z high speed</b>
<b>General</b>	
Dimensions	85 x 60 x 70 cm
Weight	50 kg
Power values	90-240 Vac / 50-60 Hz
Ambient conditions	18°C – 30°C 20 to 80% RH. no direct sunlight
<b>Test</b>	
Global	PT, aPTT, Thrombintime, Fibrinogen (Clauss & PT derived), Heparin
Factors	Factor II, V, VII, VIII, IX, X, XI, XII
Thrombophilia	Protein C, Protein S, LA Screen (DRVVT), LA Confir m (DRVVT), Activated Protein C resistance, Antithrombin, D-Dimer
Calculated units	%, R, INR, mg/dl, µg/L