

# The new Dimension for the Laboratory

# TECO

## Coagulation Analyzer

- Medium laboratories
- Doctors office
- Intensive care
- Research facility



## Coatron® M2

REF: 80 700 00

- 2 channel fully optical measurement
- with sunlight reduction
- Clotting, chromogenic or immun-turbidimetric assays
- Quantitative D-Dimer
- Micro volumes (total 75 µL)
- Small dimension and weight
- Easy operation
- 6 languages on board
- Highly reliable & long-living
- Autosense optics to eliminate interferences like Bilirubin, Hemoglobin, sunlight
- Approved clotting algorithm with biphasic waveform analysis
- Automatic start at reagent addition
- 5 point calibration curve for each test
- 2 Stop-watch function onboard
- Double determination
- Magnetic stirrer for reagent
- Profile testing like PT+APTT
- Optional external thermal printer
- Optional barcode scanner
- Optional automatic start pipette
- RS232 interface for data research or firmware upgrade
- Linking to Laboratory Information Systems such as TECO TECAM



### Available Tests

PT	Prothrombin Time
APTT	Activated Partial Thromboplastin Time
FIB	Fibrinogen (Clauss and derived)
TT	Thrombin Time
VT	Venom time
FAC	II,V,VII,VIII,IX,X,XI,XII
AT3	Antithrombin
HEP	Heparin
PC	Protein C
PS	Protein S
PLG	Plasminogen
A2AP	a2-Antiplasmin
PCA	Protein-C resistance (automatic ratio)
LA	Screen & confirm (automatic ratio)
ECAT	Ecarin Chromogenic Assay For Thrombin
ECAH	Ecarin Chromogenic Assay For Hirudin
DD	quantitative D-Dimer

### Available dimensions

Seconds, %, Ratio, INR, mg/L, mg/dL, g/L, U/mL, ng/mL, µg/mL

### Development, Manufacturing and Sales:

TECO Medical Instruments,  
Production + Trading GmbH  
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Exclusive distributor :

Agent :



## Technical Data

- Dimensions:  
LxWxH: 230x200x110mm  
Weight: 1,40kg
- Power Supply ( external):  
Input: 100-240V~, 47-63Hz  
Power: 42W  
Approvals: CE, EN60601-1, UL
- Incubation Block:  
Temperature: 37,0°C ± 0,2°C  
Samples: 12 cuvettes  
Reagent: 1 vial Ø30,0mm, stirred  
1 vial Ø22,5mm  
1 vial Ø16mm  
  
Different adapters available
- Measurement:  
Optic: 2 channel with AutoSense  
Methods: Turbidity, Kinetic, Endpoint  
Algorithm: based on optical density  
Processing: 18Bit ADC + Digital Filter  
Autosense: LED intensity controlling  
Starting: manual, optical, autopipette
- Performance:  
Precision: CV < 5%  
Throughput: PT ~70/h  
APTT ~30/h  
FIB ~50/h

## Optional Accessory

- Autopipette:  
Volume: 4-stage 25/50/100/200µL  
Test-Start: electrical
- Barcode Scanner:  
Interface: serial, RS232  
Type: CCD Handheld  
Power: powered over RS232
- Printer:  
Interface: serial, RS232  
Type: external thermal printer

## TECAM SMART for MS Windows XP,Vista (Laboratory Information System)

A perfect and user friendly tool to combine laboratory data management, quality control and research purpose in one.

- Intuitive handling  
One click principle for data collection, filtering, reporting or QC
- Interface  
Serial RS232 to analyzer. The results will be transferred including the optical reaction curve
- Database  
Manage over 1Mio results and patient information in one database
- Stored Information  
Date, Patient (Id, name, sex, birth), Test, Lot, Results, Flags, Error, System, Range, Comment and Reaction curve
- Complete Traceability by one click  
Review for Date, PID, Test, QC by one click
- Statistical analyse for QC or patients  
Westgard Multirules Analysis  
Levey Jenning diagram
- Flexible Multifilter  
Combine every data field. Predefined timefilters (eg. today, last 30 days, morning, afternoon etc.)
- Reporting  
make reports by one click. Use multifilter or presets to generate specific reports (eg. show results of specific patient of all PT within the last 30 days)
- Research  
Export data, grids, charts, curves to PDF, XLS, TXT or HTML file
- Security  
Secured access to critical menus
- Online update
- Multi-Lingual

## Standard package

1 Pc	<b>Coatron M2</b>	1 Pc	Power Supply
1 Pc	Mains cable	25 Pcs	Double cuvettes
5 Pcs	Reagent container	1 Pc	Magnetic stirrer
1 Pc	Reagent adaptor	1 Pc	Printer cable
1 Pc	Pipette fastener	1 Pc	Dust cover
1 Pc	Operation Manual	1 Pc	Warranty card
1 Pc	Installation report	1 Pc	Service report