



TOP  
INNOVATION  
2017

Clotting  
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# Coatron

Semi-automated  
Coagulation Analyser Series

With up to 4 optical channels



**TECO**

Innovation in Coagulation

# A new area of manual and semi-automated Coagulation Analyser rise up

The Coatron X instrument line is a consequent continuation in the development of the Coatron product line. Over 25 years in experience and innovation is the reference for our new Coatron X instrumentation line.

The unique detection principle in combination with the high-level analytical algorithm calculates exact, precise and reproducible results.

Easy in operation – self instructing user dialogue - reliable

## **Highest optical resolution, enlarged optic range, smallest sample and reagent volume**

0.01mOD, 0 - 3800 mOD, just with 75µL sample and reagent volume

## **Complete optical analysis**

No further parts required, like balls, stirrers etc.

## **Adaptation of the light level**

Automatic light level adjustment of the optic channels to each sample

## **Exclusion of disturbance**

Stray light reduction, exact temperature control, all parameter are preset

“Complete range of Coagulation Analysis with the highest standard and reliability. The new generation of Coagulation instruments with optical detection are here.”

**Coatron X - product family**



With 2, 4 or 1 optic channel

## Prepared for the daily routine and the upcoming requirements

### **One instrument – many possibilities**

The Coatron X family is prepared to work with one, two or four channels. The built-up and functionality is specifically designed to each instrument version and requirements. The operation with the intuitive user dialogue and handling of the detection results are easy and effective. The possibility to connect the instrument to the **TECO Cloud** offers new perspective of instrument, reagent and consumables verification and handling. The precise and correct patient result is what we want to secure.



### **Quality is our basic demand**

TECO develop and produce with qualified and specialized companies, located in Germany. High reliability, nearly maintenance free instruments are our benefit. Our reference is 25 years, in worldwide laboratories, with satisfied users.



### **TECO Cloud Services – A strong data bank and application service behind**

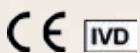
All instrument versions of the Coatron X family are connectable via Bluetooth to Smart-devices, like mobile devices, tablets, etc. with a specific APP or direct access to the TECO Cloud Services.





## Instrument details

| Coatron                      | Eco                              | Pro                | Top      |
|------------------------------|----------------------------------|--------------------|----------|
| General                      |                                  |                    |          |
| Dimensions                   | 230 x 140 x 90 mm (l, b, h)      |                    |          |
| Display                      | Colored touch display 4.3"       |                    |          |
| Pre-warm temperature         | 37°C                             |                    |          |
| Pre-warm cuvettes (pcs.)     | 10                               | 20                 | 20       |
| Pre-warm reagent 24mm (pcs.) | 1                                | 1                  | 1        |
| Pre-warm reagent 22mm (pcs.) | 2                                | 2                  | 2        |
| Pre-warm reagent 11mm (pcs.) | 2                                | 2                  | 4        |
| Reagent mixing position      | -                                | 1                  | 1        |
| Power values                 | 110-240Vac, 50-60Hz / 5Vdc, 3.3A |                    |          |
| Interfaces                   |                                  |                    |          |
| RS232 (2x)                   | Printer, Barcode reader          |                    |          |
| USB (2x)                     | Network, Firmware update         |                    |          |
| Bluetooth                    | TECO Cloud, App                  |                    |          |
| Optic / tests                |                                  |                    |          |
| Optic channels               | 1                                | 2                  | 4        |
| Wavelength (nm)              | 620 (red)                        | 405 (UV)           | 405 (UV) |
| Global Coag. tests           | PT, APTT, TT, FIB                |                    |          |
| Specific Coag. tests         | -                                | individual factors |          |
| Chromogenic Coag. tests      | -                                | AT, PC             |          |
| Latex based tests            | -                                | D-Dimer            |          |
| Whole blood tests            | PT-B                             | -                  |          |



## The details make the difference

### Coatron X

The remarkable details in every single component is achieved by selecting of premium suppliers.

The performance of a high level instrument is strongly depending on the concept in general and the perfect usability to reach the requirements of a modern laboratory analyser.

Priority No. 1 was the get a daily routine reliability and easy-to-use operation.

### Software and connection possibilities

With the Coatron X product family starts a new time line in analysis management and service maintenance. Operation via intuitive, colored touchscreen, as well patient result management are perfectly optimized.



## Operation details

| Coatron                                                 | Eco | Pro | Top |
|---------------------------------------------------------|-----|-----|-----|
| <b>Operation</b>                                        |     |     |     |
| Touchscreen 4.3"                                        | ✓   | ✓   | ✓   |
| Real time clock                                         | ✓   | ✓   | ✓   |
| Stopwatch                                               | ✓   | ✓   | ✓   |
| Language selection                                      | ✓   | ✓   | ✓   |
| <b>Interfaces</b>                                       |     |     |     |
| USB to LIS                                              | ✓   | ✓   | ✓   |
| Network to LIS<br>(TECAM software required)             | ✓   | ✓   | ✓   |
| <b>Management</b>                                       |     |     |     |
| Test calibration                                        | ✓   | ✓   | ✓   |
| Tracking to Pat.ID, Patient ID,<br>Sample ID or Auto ID | ✓   | ✓   | ✓   |
| Automatic optic start<br>(no Starterpipette required)   | ✓   | ✓   | ✓   |
| Sample management (ID)                                  | ✗   | ✓   | ✓   |
| Reagent management (ID)<br>(lot und expiry)             | ✗   | ✓   | ✓   |
| Internal result databank                                | ✗   | ✗   | ✓   |

Patient identification with barcode

optional



### Intuitive operation and control

Clear and easy to operate user dialogue with a high quality colored touchscreen

- Direct usable
- Short learning phase
- Logic, intuitive operation
- Reliable touchscreen surface
- Quick touch response



### For small and mediate laboratory requirements

Concept is suitable for daily routine work in Coagulation laboratories and hospitals

- Three different versions available, depending on number of samples per day
- In maximum up to 4 optic channels available

### Interfaces

#### RS232 (2x)

- For external serial printer and external barcodereader

#### LIS/USB

#### Bluetooth





### **TECO Cloud Services**

#### **A strong data bank and application service behind**

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For trading partners worldwide, please visit our web-page

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