

Automated haemostasis analyser

# CA-660

Simple to use.  
Strong in diagnostic support.



# Coagulation testing is increasingly important

In haemostasis, test results can point out major clinical issues, some of which can be life-threatening if not dealt with swiftly and accurately. Confidence in the subsequent clinical decision-making is therefore essential. You need equipment that performs reliably and produces consistently high-quality results at all times.

## Coagulation testing you can rely on

The CA-660 is a compact, fully automated coagulation analyser that combines proven and successful characteristics – such as the optical detection technology and the reagent system of its predecessors – with new features. In addition to routine testing, it also offers specialty coagulation testing such as D-dimer and vWF activity and so provides a complete patient profile. It is an attractive choice as a primary analyser for low-volume haemostasis laboratories, but you can equally use it as a powerful backup instrument in a larger lab. The CA-660 has a solid construction, and is hard-wearing and robust. With its reliable performance, it will support you day in, day out for years to come.

## Strong performance – high-quality results

The CA-660 runs the most clinically important clotting, chromogenic and immunological analyses. This means you can also perform a wide range of specialty testing in addition to routine tests to further investigate haemostatic disease status and perform fibrinolysis tests.

The CA-660 offers added clinical value and can perform a fully automated, precise D-dimer determination. This can support you to investigate patient status and rule out critical conditions in a wide range of coagulopathies. This test is classically used for excluding deep venous thrombosis and pulmonary embolism. It is also useful for managing the increased risk of thrombosis in HIV patients undergoing retroviral treatment. This means your results can now contribute even more effectively to patient care.



## You can now run your haemostasis tests with

- a standardised analysis process
- simplified handling and minimal manual intervention
- results you can rely on
- increased confidence

The CA-660 is based on Silent Design®, Sysmex's concept that contributes to a more enjoyable workplace experience by putting people first and optimising the interaction between users and the devices they operate day in, day out.

## Simplifying daily laboratory work

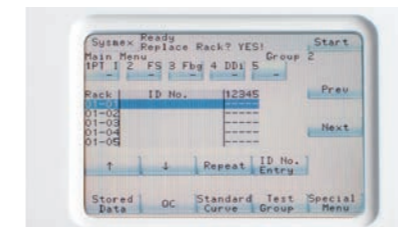
Thanks to a colour LCD touch screen and an integrated barcode reader, the CA-660 is safe and easy to use. And because sample identification is automated, you can be confident to always run the tests that are needed on the right samples. You no longer have to batch samples either, which shortens your result turnaround time for D-Dimer analyses as well. Since calibration curves are easily established, this reduces the time you need for calibration. In addition, the CA-660's ease of use really helps to minimise the risk of errors.

Maintenance requirements are low, which ensures the system operates efficiently with little downtime. Integrated reagent cooling increases on-board reagent stability. And thanks to a range of sensor functions, the system is safe to operate.

## Set for today and for tomorrow – advanced software, data handling and networking

The CA-660 is easy to service thanks to its error log capacity and a new type of memory card. It's easier to set up and update the analyser and to back up and restore user data and settings.

Using an optional hand-held 2D barcode reader, you can register data of reagents, standards and controls safely, simply and quickly, free up time for other processes and improve your lab's productivity. This reagent management system and positive sample recognition will also help you to meet growing regulatory demands with respect to documentation, accreditation and traceability.



## A reliable partner for your lab

Sysmex is a total solution provider for laboratories of all sizes around the world. With more than fifty years' experience in lab haematology and over thirty in haemostasis, our solutions satisfy real laboratory and user needs – from the smallest detail to large-scale workflow design. With representative sites in nearly all countries, our supply and service are leading in our field.

We provide a wide range of scientific articles on haemostasis, from topics in our SEED (Sysmex Educational Enhancement and Development) database\* to specific details on possible assays with our technology. These can help you to optimise your lab testing and interpret the analysers' results, and in doing so offer patients the best clinical care. Your local Sysmex representative can provide you with more information.

\* Find out more about SEED articles: [www.sysmex-europe.com/academy/library](http://www.sysmex-europe.com/academy/library)

## Key specifications

Detection principle	clotting: scattered light detection method chromogenics: colorimetric method immunoassay: latex-enhanced turbidimetric method
No. of detector channels	clotting: 4 channels chromogenics: 1 channel immunoassay: 1 channel
Parameters	clotting: PT, APTT, Fbg, TT, extrinsic factor assays (II, V, VII, X), intrinsic factor assays (VIII, IX, XI, XII), lupus anticoagulant (screening and confirmation), protein C, batroxobin chromogenics: antithrombin, $\alpha$ 2-antiplasmin, plasminogen, protein C, heparin and anti-Xa assays (UFH, LMWH) immunoassay: D-dimer, vWF:Ag, vWF Ac
Throughput	max. 60 tests per hour
Test protocols	up to 14 programmable
STAT	1 dedicated position
Sample volumes	min. 50 $\mu$ L (PT, APTT, TT) min. 10 $\mu$ L (Fbg, AT III) min. 5 $\mu$ L (factor assays) min. 8 $\mu$ L (D-dimer)
Auto-dilution function	for accurate measurement of abnormal fibrinogen or D-dimer levels
Reagent capacity	13 positions (4 at 15°C, 6 at room temperature, 3 dedicated to diluents, buffers or cleaning reagents)
Quality control	Xbar / L-J control: 6 files at 180 points, 14 parameters
Data storage	up to 600 samples / max. 3,000 tests
Interfaces	<ul style="list-style-type: none"><li>■ colour LCD touch screen (user interface)</li><li>■ built-in thermal printer to print data and graphics</li><li>■ built-in barcode reader for samples and STAT</li><li>■ 2D hand-held barcode reader for reagents (ISI, lot#, expiry date), calibrators (assigned value, lot#, expiry date), controls (target / limit, lot#, expiry date), samples / STAT (for sample search) (optional)</li><li>■ LIS (serial)</li></ul>
Dimensions/weights W × H × D [mm/kg]	566 × 490 × 490 / approx. 43

\* In certain countries, the CA-650 model is available instead of CA-660. Apart from the different detector wavelengths adapted to the reagents used only in those countries, both models are identical.

Distributor EMEA: Sysmex Europe SE · [www.sysmex-europe.com](http://www.sysmex-europe.com)

Manufacturer: Sysmex Corporation · [www.sysmex.co.jp](http://www.sysmex.co.jp)

You will find your local Sysmex representative's address under [www.sysmex-europe.com/contacts](http://www.sysmex-europe.com/contacts)

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