Automated ESR Analyzer, 40 Channels, 80 Samples/h, 30/60 min Westergren, 7-Inch Touch

Model **MSESRA-40SWISS** | Brand **Master Science**







The Automated ESR Analyzer measures erythrocyte sedimentation rate on 40 reading channels and reports Westergren ESR values in mm/h. Infrared sensors track the blood column, and samples can be loaded at random positions, giving a throughput of up to 80 samples per hour.

KEY HIGHLIGHTS

- High Throughput
- Faster Option
- Comparable Results
- Clear Records

AT A GLANCE

1-140 mm/h
MEASUREMENT RANGE

50-64 mm
BLOOD LEVEL RANGE

40 samples at the same time
LOADING CAPACITY

Automatic compensation refers results to 18°C.
RESULTS DRIFT WITH ROOM TEMPERATURE

Request a Quotation
Contact us for pricing, configuration options and delivery details.

support@themsci.com
www.themsci.com

Scan to view online

Overview

Operators choose a 30-minute or 60-minute method on a 7-inch touch screen. The Automated ESR Analyzer displays and prints ESR curves on its internal thermal recorder, stores 4,000 results, applies automatic temperature compensation to 18°C and connects through RS-232, with an optional barcode reader and LIS support.

Add our Semi-Automatic Coagulation Analyzer next to the Automated ESR Analyzer for a complete hematology bench.

Manual Westergren racks bring the issues below. The Automated ESR Analyzer removes each one.

Key Benefits

High Throughput
40 channels and random loading give up to 80 results per hour.

Faster Option
A 30-minute mode delivers results in half the classic time.

Comparable Results
Automatic temperature compensation to 18°C supports consistent Westergren values.

Clear Records
ESR curves are shown on screen and printed with each result.

Technical Specifications

UNDEFINED	
Brand	Master Science
Model Number	MSESRA-40SWISS
SKU	MSESRA-40SWISS
Application	Erythrocyte sedimentation rate analysis
Measuring Principle	Infrared sensor
Result	Westergren ESR value (mm/h)
Throughput	Up to 80 samples/h
Reading Channels	40
Loading Capacity	**40 samples at the same time**
Loading Pattern	Random
Measuring Time	30 or 60 min, selectable
Sample Interval	3 min
Measurement Range	**1-140 mm/h**
Temperature Compensation	Automatic, referenced to 18°C (selectable)
Reading Resolution	±0.1 mm
Result Resolution	1 mm/1 h, 1 mm/2 h
Blood Level Range	**50-64 mm**
Display	7-inch touch screen
Storage	4,000 results
Interface	RS-232 serial port
Printer	Internal thermal recorder
Power Supply	AC 100-240 V, 50-60 Hz, 50 W
Operating Conditions	5-40°C, humidity ≤ 80%
Dimensions (L × W × H)	365 × 300 × 180 mm
Net Weight	8 kg
Package	690 × 440 × 340 mm, 12.2 kg

PROBLEMS THE AUTOMATED ESR ANALYZER SOLVES	
Reading tubes by eye is subjective	Infrared sensors read the blood column automatically.
One-hour wait for every result	A 30-minute mode is available.
Results drift with room temperature	Automatic compensation refers results to 18°C.
Handwritten logs	Results are printed, stored and sent over RS-232.

Applications

- **Routine ESR testing in hospital laboratories**
- **Inflammation and infection screening**
- **Monitoring of chronic inflammatory conditions**
- **ESR testing in clinics and health check centers**

Measurement

- Infrared sensor reading
- Westergren ESR in mm/h, range 1-140 mm/h
- 30 or 60 minute methods
- Automatic temperature compensation to 18°C

Capacity

- 40 reading channels
- Random sample loading
- Up to 80 samples per hour
- 3-minute sample interval

Data and Output

- 7-inch touch screen
- ESR curve display and printout
- 4,000 results stored
- RS-232 interface; optional barcode reader; LIS support

Standard Accessories Included

- Automated ESR analyzer main unit
- Internal thermal recorder

Optional Accessories

- Barcode reader