10-Channel ESR Analyzer, 20 Samples/h, 30/60 min Westergren, Infrared Sensing, Touch Screen

Model **MSESRA-10SWISS** | Brand **Master Science**





The 10-Channel ESR Analyzer is a compact automated ESR system with 10 infrared reading channels that reports Westergren ESR values in mm/h. Samples load at random positions, and it handles up to 20 samples per hour, which suits clinics and smaller laboratories.

KEY HIGHLIGHTS

- Ideal for Small Labs
- Half-Time Option
- Automatic Reading
- Printed Curves

AT A GLANCE

1-140 mm/h
MEASUREMENT RANGE

50-64 mm
BLOOD LEVEL RANGE

10 samples at the same time
LOADING CAPACITY

Automatic compensation to 18°C is applied.
ROOM TEMPERATURE SKEWS RESULTS

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

support@themsci.com
www.themsci.com

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Overview

The color touch screen offers 30-minute and 60-minute methods. The 10-Channel 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 via RS-232, with an optional barcode reader and LIS support.

Need more capacity? See our 20-Channel ESR Analyzer, the next step up from the 10-Channel ESR Analyzer.

Small labs reading ESR by hand face the issues below. The 10-Channel ESR Analyzer resolves each one.

Key Benefits

Ideal for Small Labs
10 channels match lower daily ESR volumes.

Half-Time Option
The 30-minute method speeds up reporting.

Automatic Reading
Infrared sensors replace visual reading of tubes.

Printed Curves
Each result comes with an ESR curve printout.

Technical Specifications

UNDEFINED	
Brand	Master Science
Model Number	MSESRA-10SWISS
SKU	MSESRA-10SWISS
Application	Erythrocyte sedimentation rate analysis
Measuring Principle	Infrared sensor
Result	Westergren ESR value (mm/h)
Throughput	Up to 20 samples/h
Reading Channels	10
Loading Capacity	**10 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 / Input	Color LCD / 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	11 kg

PROBLEMS THE 10-CHANNEL ESR ANALYZER SOLVES	
Reading errors with manual racks	Infrared sensors read each tube automatically.
Waiting a full hour	A 30-minute method is available.
Room temperature skews results	Automatic compensation to 18°C is applied.
Manual record keeping	Results are printed and stored, and can go to LIS.

Applications

- **ESR testing in clinics and small laboratories**
- **Inflammation screening**
- **Monitoring chronic inflammatory conditions**
- **Point-of-care ESR in health centers**

Measurement

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

Capacity

- 10 reading channels
- Random sample loading
- Up to 20 samples per hour

Data and Output

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

Standard Accessories Included

- 10-channel ESR analyzer main unit
- Internal thermal recorder

Optional Accessories

- Barcode reader