20-Channel ESR Analyzer, 40 Samples/h, 30/60 min Westergren, Infrared Sensing, Touch Screen

Model **MSESRA-20SWISS** | Brand **Master Science**





The 20-Channel ESR Analyzer automates erythrocyte sedimentation rate testing with 20 infrared reading channels and reports Westergren ESR values in mm/h. Samples load at random positions, and throughput reaches up to 40 samples per hour.

KEY HIGHLIGHTS

- Right-Sized Capacity
- 30-Minute Results
- Objective Reading
- Documented Results

AT A GLANCE

1-140 mm/h
MEASUREMENT RANGE

50-64 mm
BLOOD LEVEL RANGE

20 samples at the same time
LOADING CAPACITY

Results are compensated to 18°C automatically.
TEMPERATURE AFFECTS ESR

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

support@themsci.com
www.themsci.com

Scan to view online

Overview

A 30-minute or 60-minute method is selected on the color touch screen. The 20-Channel ESR Analyzer shows and prints ESR curves on an internal thermal recorder, stores 4,000 results, compensates automatically to 18°C and connects through RS-232, with an optional barcode reader and LIS support.

> For larger workloads, see our Automated ESR Analyzer with 40 channels, a bigger sibling of the 20-Channel ESR Analyzer.

Key Benefits

Right-Sized Capacity
20 channels suit medium daily ESR workloads.

30-Minute Results
The fast method halves the waiting time.

Objective Reading
Infrared sensors remove visual reading errors.

Documented Results
ESR curves are displayed and printed for each sample.

Technical Specifications

UNDEFINED

Brand	Master Science
Model Number	MSESRA-20SWISS
SKU	MSESRA-20SWISS
Application	Erythrocyte sedimentation rate analysis
Measuring Principle	Infrared sensor
Result	Westergren ESR value (mm/h)
Throughput	Up to 40 samples/h
Reading Channels	20
Loading Capacity	**20 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 20-CHANNEL ESR ANALYZER SOLVES

Problems the 20-Channel ESR Analyzer Solves	Manual ESR racks cause the issues below. The 20-Channel ESR Analyzer answers each one.
Subjective visual reading	Infrared sensors read every tube.
Long wait for results	A 30-minute method is available.
Temperature affects ESR	Results are compensated to 18°C automatically.
Paper logs and transcription	Results print automatically and can go to LIS.

Applications

- **Routine ESR testing in hospital and clinic labs**
- **Inflammation screening**
- **Follow-up of chronic inflammatory disease**
- **Health check center testing**

Measurement

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

Capacity

- 20 reading channels
- Random sample loading
- Up to 40 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

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

Optional Accessories

- Barcode reader