

# Auto ESR Analyzer BK-ESR40



## Introduction

ESR testing has important guiding significance for many clinical diseases, but the traditional standard Westergren method has complicated operation, low work efficiency and large cross-contamination. Automatic ESR analyzer uses advanced infrared light color difference interpretation technology to automatically scan the whole process of red blood cell sedimentation within 30 minutes for the sample of the vacuum blood collection tube, and refer to the Westergren method to measure the standard curve to obtain accurate results.

## Application

Applicable to hospital inspection departments, medical laboratories, research institutes, universities, disease control centers, etc.

## Features

- \* 7-inch color touch LCD screen, easy to operate, high resolution
- \* 80 samples/hour, rapid detection
- \* Randomly insert sample positions for testing at any time
- \* Built-in thermal printer for easy data printing
- \* Results are automatically temperature compensated
- \* Advanced optical testing principles to overcome reading errors in manual methods
- \* Power-off save function, automatically save the test results

## Technical Parameters

Model	BK-ESR40
Application	Erythrocyte sedimentation rate analysis
Measurement Method	Infrared detection
Analysis Result	Westergren ESR value (mm/hour)
Throughput	Maximum 80 tests/hour
Analysis Channels	40 (load up to 40 samples for analysis at the same time)
Loading Type	Load samples at any time, measure at any time
Analysis Time	30 minutes or 60 minutes selectable
Sampling Interval	3 min
Measurement Range	0~120mm/h
Temperature Compensation	The result is automatically corrected to the result at 18°C
Result Resolution	1mm/1h and 1mm/2h
Blood Level Range	50mm~64mm
Result Accuracy	±2mm/h (ESR≤30mm/h)
	±3mm/h (30mm/h<ESR≤80mm/h)
	±5mm/h (ESR>80mm/h)
Result Precision	CV≤2%
Channel Error	≤±4mm/h
Reading Accuracy	0.2mm
Timing Accuracy	90
Display	7-inch color LCD touch screen
Communication Interface	RS232 serial interface
Printer	Built-in thermal printer
Power Supply	AC220V 50/60Hz
External Size (W*D*H)	340*440*180mm
Net Weight	10kg
Package Size (W*D*H)	665*395*235mm
Gross Weight	11.7Kg