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ESR ANALYZER
HRA-100 AAA



ESR Analyzer

CE



Description

An ESR (Equivalent Series Resistance) analyzer is a diagnostic tool used to measure the ESR of capacitors, particularly electrolytic capacitors, in electronic circuits. ESR is the resistance encountered by the alternating current as it flows through a capacitor. High ESR values can indicate that a capacitor is failing or has degraded, which can lead to malfunctions in electronic devices.

Key Features



Accurate and Reliable Results

High correlation with Wilcoxon's method;
The instrument measurement is accurate to 0.2mm;
The test results are automatically converted to the corrected results at 18°C.



Easy and Fast Operation

7-inch color touch screen;
Human-computer interaction friendly interface;
Specimen testing is available on demand.



Powerful Processing

Maximum processing specimens up to 20 persons/hour;
With barcode scanning function;
It can be connected with the hospital LIS system, which is convenient for management;
Two analysis time modes (30 or 60 minutes) are optional;
Provides erythrocyte sedimentation dynamic graph and volume test calculation.



Automatic Reading Saving

Automatic reading function of the instrument, no need for personnel on duty;
All data results are saved, 4000 data are stored, and the results are printed.

Specifications

General Information	Field of application	Erythrocyte sedimentation rate analysis
	Measuring principle	Infrared sensor
	Analysis result	Westergren ESR value (mm/hr)
	Throughput	Up to 20 samples per hour
	Reading channels	10
	Loading capacity	10 sample at same time
	Loading pattern	Random
	Measuring time	30 minutes or 60 minutes selectable
	Sample interval	3 minutes
	Measurement range	(1-140)mm/h
	Temperature compensation	Refer to 18°C automatically (selectable)
	Reading resolution	±0.1mm
	Result resolution	1mm/1h, 1mm/2h
	Blood level range	50mm~64mm
Working Conditions	Display	Color LCD screen
	Input	Touch screen
	Interface	RS-232 serial port
	Print	Internal thermal recorder
	Storage	4,000 results
Electrical Data	Power supply	AC100-240V, 50-60Hz, 50W
	Operation conditions	Temperature 5C ^o ~40°C Humidity ≤80%
Dimensions	Dimension (L × W × H)	365 × 300 × 180mm
	Net weight	11 kg