



The **HEMOCHRON Jr. Signature+** Whole Blood Microcoagulation System is a battery-operated, hand-held instrument that performs individual point-of-care coagulation tests on fresh or citrated whole blood. These tests include: Activated Clotting Time (ACT+ and ACT-LR), Activated Partial Thromboplastin Time (APTT and APTT Citrate), and Prothrombin Time (PT and PT Citrate). The Hemochron Jr system is intended to be used for testing blood.

## Features

- The system is portable for bedside use
- Fresh whole blood or citrated whole blood can be used (assay dependent)
- Only one drop of blood is required
- Results are available in minutes
- Results are displayed appropriately as whole blood, plasma equivalent, Celite equivalent seconds, or INR
- Test type is automatically read from the cuvette
- Test results are automatically stamped with date and time
- Results from 400 patient tests and 400 QC tests can be stored
- Stored results can be printed and/or downloaded to a personal computer
- Stored results can be searched by Patient ID
- Instrument self checks are automatically performed
- Electronic Quality Control (EQC) cuvettes are used to check instrument operation at two levels
- A Temperature Verification cuvette can be additionally used to check test chamber temperature
- The display is illuminated for viewing in low light
- The user is alerted when the battery is low
- An optional printer can be connected



# Specifications

## Dimensions

Depth: 9cm(3.5 in)  
Width: 19 cm (7.5 in)  
Height: 5cm (2 in)  
Weight: 0.60 kg (1.3 lbs)

## Performance

Test Precision:  $\leq 10\%$  C.V.

## Operation

Test Chamber: 1  
Timing Range: 0 seconds to 1005 seconds  
Incubation Temperature:  $37^{\circ}\text{C} \pm 1.0^{\circ}\text{C}$   
Incubation Warm-Up Time 30 Seconds to 90 Seconds  
Full-Charge Operating Time: 2 to 3 hours (minimum)  
Battery life 500 recharges  
Battery Life: Nickel Metal Hydride  
Throughput (full Charge): 49 test cycles (at 150 sec per test)  
17 test cycles (> 500 sec per test)  
Operating Environment:  $15^{\circ}\text{C}$  to  $30^{\circ}\text{C}$

## AC/DC Power Module

USA/ Canada  
Input: 120 VAC, 60Hz, 35 VA  
Output 9.0 VDC, 1.38 Amps Maximum

Europe  
Input: 230VAC, 50 Hz, 30 VA  
Output: 9.0 VDC, 1.15 Amps maximum

Japan  
Input: 100 VAC, 50/60 Hz, 40 VA  
Output: 9.0 VDC, 1.15 Amps maximum