Crit-Line® IV Monitor Features

Crit-Line technology provides caregivers with information about changes in intravascular blood volume and vascular refill rate during dialysis in order to make timely interventions.

Continuous Monitoring of:

Percent Change in Intravascular Blood Volume

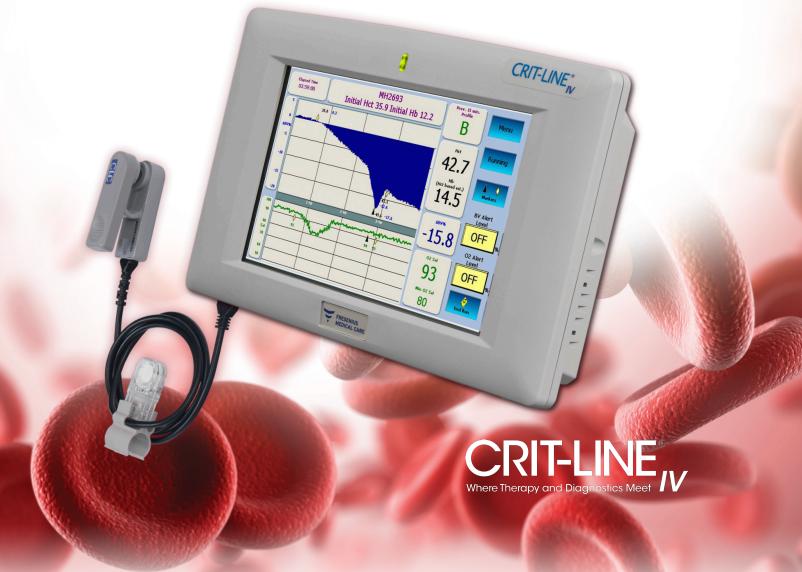
Allows the clinician to remove the maximum amount of fluid while preventing common symptoms of dialysis (e.g., nausea, cramping, vomiting).

Oxygen Saturation

Provides continuous, accurate measurement of oxygen saturation.

Hematocrit and Hemoglobin

Regular monitoring of hematocrit and hemoglobin is important for managing anemia in hemodialysis patients. The Crit-Line IV monitor allows regular, real-time monitoring of hematocrit and calculation of hemoglobin levels during hemodialysis.



Crit-Line IV Monitor Specifications

Sensor Clip: 1.75"H x 1.00"W x 3.00"L **Pole Mount:** 3.5"H x 5.75"W x 4.00"L

Weight Crit-Line IV Monitor: 0.80 lbs

Sensor Clip: 0.25 lbs Pole Mount: 1.25 lbs

Sensor Device Cable Length 42"

Transportation Conditions.....-40°F to 257°F (-40°C to 125°C)

 Oxygen Saturation
 Accurate
 Accurate
 Accurate
 Within ± 3%
 Within ± 5%

 45 to 60
 60 to 100
 50 to 100
 50 to 100
 30 to 100

 20 to 45
 50 to 100
 30 to 100
 10 to 20
 Not Specified
 40 to 100

Hematocrit Instrument

Range and Accuracy 10 Hct to 60 Hct: ±1 Hct SD

Internal Data Storage Stores previous 30 days of patient treatment data.

USB ZigBee Radio

Water Ingress Protection Crit-Line IV Monitor: IP-64 front panel.

Do not immerse in liquid.

Sensor Clip: IPX-0. No special protection provided.

Do not immerse in liquid.

Anesthetic Suitability Not suitable

Mode of Operation Continuous

Note: The CLiC device is a Clinical Laboratory Improvement Amendment (CLIA) exempt instrumentation device.



RENAL TECHNOLOGIES

Fresenius Renal Technologies, a division of Fresenius Medical Care North America 920 Winter Street • Waltham, MA 02451 • www.fmcna-crit-line.com **Customer Service:** 800-323-5188 • **Technical Support:** 800-227-2572

Indications for Use: The Crit-Line IV monitor is used to non-invasively measure hematocrit, oxygen saturation and percent change in blood volume. The sensor clip measures hematocrit, percent change in blood volume and oxygen saturation in real time for application in the treatment of dialysis patients with the intended purpose of providing a more effective treatment for both the dialysis patient and the clinician. Based on the data that the monitor provides, the clinician/nurse, under physician direction, intervenes (i.e. increases or decreases the rate at which fluid is removed from the blood) in order to remove the maximum amount of fluid from the dialysis patient without the patient experiencing the common complications of dialysis which include nausea, cramping and vomiting. The Crit-Line blood chamber is a sterile, single use, disposable, optical cuvette designed for use with the Crit-Line sensor clip during acute and chronic hemodialysis therapy to non-invasively measure hematocrit, percent change in blood volume and oxygen saturation. The blood chamber is connected between the arterial bloodline and the dialyzer within the extracorporeal circuit during the hemodialysis treatment.

Caution: Federal (US) law restricts this device to sale by or on the order of a physician.

Note: Read the Instructions for Use for safe and proper use of this device. For a complete description of hazards, contraindications, side effects and precautions, see full package labeling at www.fmcna.com.

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