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- **dinamap user manual, dinamap service manual, dinamap instruction manual, dinamap v100 user manual, dinamap vc150 user manual, dinamap pro 1000 user manual, dinamap procare 400 user manual, dinamap pro 400 user manual, dinamap pro 300v2 user manual, dinamap pro 300 user manual, 1.0, dinamap user manual, dinamap service manual, dinamap instruction manual, dinamap v100 user manual, dinamap vc150 user manual, dinamap pro 1000 user manual, dinamap procare 400 user manual, dinamap pro 400 user manual, dinamap pro 300v2 user manual, dinamap pro 300 user manual.**

Masimo SpO2Pulse COOximetry vs. Drawn Whole Blood Measurements. General Description for Total Arterial Oxygen Content CaO2. Description for Carboxyhemoglobin SpCO. General Description for Total Hemoglobin SpHb. General Description for Methemoglobin SpMet...................Inaccurate Sensor Measurement Conditions...................... 97. Nellcor Respiration Rate theory of operations. Pulse Rate Delay Alarm Management Parameter. Required Pulse Oximetry Sensor Usage for respiration rate........Nellcor OxiMax sensor accuracy specifications................... 932Welch Allyn temperature calibration and selfchecks............. 1110. Welch Allyn temperature specifications........................ 1111Exergen scanner battery specifications......................... 127Storage, care, and replacement of batteries...................... 135Connections...................... A1. Maintenance..................... B1Changing the Exergen temperature unit battery................... B9DINAMAP auscultatory reference algorithm...................... C4. Reference used to determine NIBP accuracy....................... C6. Supplemental analysis of clinicalSupplemental Analysis of Clinical Accuracy Test Data for GE TruSignal V2. Performance Specifications for Masimo MLNCS, LNCS, and LNOP. Performance specifications for Rainbow ReSposable Pulse COOximeter. Performance

Specifications for Masimo Sensors SpO2 Multisite ReusableVC150 Vital Signs MonitorAbout this device. The VC150 vital signs monitor provides a small, portable monitoring alternativeThe monitor is for use on adult,The batteryoperated monitorNIBP SuperSTAT or Auscultatory Reference Algorithms, Pulse Rate. The model of the VC150 vital signs monitor determines which parameters arePlease refer to applicable sections.http://www.kapfenberger-schuetzenverein.at/userfiles/cagiva-mito-2001-manual.xml

Using the VC150 vital signs monitor, a caregiver can measure, display andThe monitorAll of the main operations of the monitor areThe monitor can use WLANPDFs, print patient data with strip printer and use USB or Remote Management. EMR systems. Patient IDs. MeasurementMeasurementCaregiver. Patient. Vital signs monitorIntended use. The VC150 is intended to monitor a single patients vital signs at the site of careThe noninvasive oscillometric blood pressure parameter is intended forThe optional GE TruSignal pulse oximetry and accessories are indicated forThe optionalThe optional Welch Allyn SureTemp Plus electronic thermometer is intended toThe optional Exergen TemporalScanner thermometer is intended for theA wireless network connection is provided to transmit clinical data into variousThe portable device is designed for use in hospitals and hospitaltype facilities. The VC150 can also be used in satellite areas or alternate care settings.The VC150 is not intended to be used for continuousFederal law U.S.A. restrictsAdditional information on product use. The VC150 vital signs monitor is for use as prescribed by physicians, physicianThe VC150 vital signs monitor is intended to monitor one patient at a time in aThe monitoring system is intended only as an adjunct in patientContraindications. This device is not designed, sold, or intended for use except as indicated. Dangers, warnings, cautions, and notes. The terms Danger, Warning, Caution and Note are used throughout thisFamiliarize yourself with their definitions and significance.

Hazard is defined as aDANGER indicates a hazardous situation that, if not avoided, will result in deathWARNING indicates a potential hazard or unsafe practice which, if not avoided,CAUTION indicates a hazardous situation that, if not avoided, could result inNOTE provides application tips or other useful information to assure that you getSafety precautionsDo not soak or immerse the deviceUse cleaning solutionsDisposable devices are intended for single use only. They should not beTo avoid personal injury, do not perform any service work on theIf powering the monitor from an external power adapter or converter,The monitor is not intended for use during transport of a patient outsideIf the monitor is dropped, it must be serviced immediately. Connect only IEC 60601 compliant, single isolated USB devices intendedDo not immerse the monitor in water. If the monitor is splashed withDo not immerse sensors or patient cables in water, solvents, or cleaningExamine the power cord periodically. Discontinue use and replace ifCAUTION Do not use extension cords or adapters of any type. Avoid swinging the monitor, or entangling the monitor and itsContact Innokas MedicalDo not perform any testing or maintenance on a sensor while it is beingVerify calibration of the NIBP parameter temperature and pulseRefer to the service manual forKeep the monitor and its accessories out of the patient's reach whenPlace the monitor on a rigid, secure surface or use only mountingRefer to the VC150Only use the monitor in areas where adequate ventilation exists. Do not cover the ventilation plates at the bottom and the top of theUse only a battery type that has been specified for this monitor. OtherOther batteries may be incompatibleCaution should be taken to not set alarm limits to extreme values, asDo not modify this equipment without authorization of theIf this equipment is modified, appropriate inspection and testing mustFederal law U.S.A.

http://www.jfvtransports.com/home/content/boss-bv9055-manual

restricts this device to sale by or on the order of aPeriodically, and whenever the integrity of the monitor is in doubt, testThe performance of the monitor may be degraded if it is operated orThe monitor meets standards IEC 606011 and ISO 9919 for shock andDo not use the monitor in the presence of magnetic resonance imagingDo not use in the presence of an oxygenenriched

atmosphere oxygenOperating the monitor near equipment which radiates highenergyDo not gas sterilize or autoclave the monitor. The monitor should not be used on patients who are connected toTo reduce the risk of electric shock, do not remove the cover or theIf the accuracy of any determination reading is questionable, first checkThis equipment is not intended for use in the presence of. To prevent crosscontamination, clean exterior surfaces of the monitor,Do not disassemble the monitor as personal injury may result. The monitor and its accessories are to be operated by qualifiedUse only approved accessories. For a list of approved accessories, referSubstitution of aThe monitor cannot recognize whether a cable is disconnected from theDo not leave the patient unattended and rely solelyArrange cables and accessories in such a way that no hazard can occur. Stop the exam should a hazard develop that may endanger the patient,SpO2 specifications" on page 930, "Welch Allyn temperatureUnauthorized personnel can view patient records stored in the device. Hospital policies and practices must prevent unauthorized access toDo not place VC150 monitor cables or accessories in any position thatDo not lift the monitor orEnsure that any hoses or cables between the monitor and the patientAlways remove the sensor from the patient and completely disconnectDo not place the monitor where the controls can be changed by theTo comply with the exposure requirements for wireless networksDo not place the VC150 monitor touch screen against a surface.

Do not place the monitor on electrical equipment that may affect theDo not expose the monitor or accessories to excessive moisture such asDo not place containers containing liquids, gases, or other flammable orPatient Safety If a sensor or a cable is damaged in any way,The SpO2 sensor site must be inspected at least every two 2 hours toTo ensure patient electrical isolation, connect only to other equipmentDo not use a sensor or aCirculation distal to the sensor site should be checked routinely. Inspect probe covers for contaminants prior to use. The monitor does not include any userreplaceable fuses. Refer serviceThe connection of equipment or transmission networks other than asAlternate connections will require verification of compatibility and. Do not connect the monitoring system to an electrical outlet controlledWhen the monitor's battery has been completely discharged, theWhen the Battery Low 5 minutes left alarm is signaled, NIBP is disabledConnect theVC150 is not intended for use as an apnea monitor.This device complies with part 15 of the FCC Rules. Operation is subject toChanges or modifications not expressly approved by the manufacturerThis equipment has been tested and found to comply with the limits for a. Class B digital device, pursuant to part 15 of the FCC Rules. These limits areThis equipment generates, uses and can radiateHowever, there is no guarantee that interference will not occur in aThe 51505250 MHz frequency band is for indoor use only, to reduceReorient or relocate the receiving antenna. Increase the separation between the equipment and receiver. Connect the equipment into an outlet on a circuit different fromConsult the manufacturer or an experienced WLAN technician forProduct compliance. VC150 vital signs monitor. Compliance classifications. The VC150 Vital Signs Monitor is classified in the following categories forPortable. For continuous operation. Not suitable for use in the presence of flammable anesthetics.

Not for use in the presence of an oxygenenriched atmosphere oxygenType BF defibrillatorproof applied parts. IPX1, degree of protection against ingress of water. Software is developed in accordance with IEC 6060114. The monitor complies with IEC 60601249. The alarm system is developed in accordance with IEC 6060118. The VC150 monitor is a Group 1 Class B device Group 1 contains all ISMClass B equipment is equipment suitable for use in all establishments. The SpO2 parameter complies with ISO 9919. The temperature parameter complies with ASTM E111200 and EN 124705. Defibrillationprotected. When used with the recommended accessories, theVC150 Vital Signs MonitorBiocompatibility. The monitor fulfills biocompatibility requirements onlyThis product

conforms with the essential requirements of the Medical DeviceSensor LED light emissions fall within Class 1 level, according to IEC 608251. Wireless complianceThis product also complies with IEEE 802.11e and. WMM Quality of Service guidelines. This product supports 802.11n SingleInput, SingleOutput SISO only. Electromagnetic compatibility EMC. This equipment has been tested and found to comply with the limits for medicalThese limits areUse only approved accessories. Refer to the VC150 supplies andOther cables and accessories may cause aThe monitor may cause radio interference or may disrupt the operationIf adjacent or stacked use is necessary, theEMC — Magnetic and electrical fields are capable of interfering with theFor this reason make sure that allXray equipment or MRI devices are aDo not undertake any electricalMedical. Such changes or modifications to the monitor may cause EMCEMC and needs to be installed and put into service according to theMains power should beRefer to the service manual for information. Exergen temporal scanner. The Exergen temporal scanner has these additional classificationsInternally powered battery operated. IPX0, degree of protection against ingress of water.

VC150 Vital Signs MonitorMonitor symbolsAttention, consult accompanying documents. External communications port connector. Caregiver symbol. External DC power input. Defibrillatorproof type BF equipmentManufacturer This symbol is accompanied by the nameManufacturing date This symbol is accompanied by theAccessoriesEssential Requirements of the Medical Device Directive. This product is protected against vertically falling drops ofFDA Prescriptive Device symbol for "Caution Federal lawCatalog or orderable part number. Device serial number. Consult instructions for use. The unit has a WLAN device inside. USB port. Atmospheric pressure limitations. Fragile. Handle with care. Humidity limitations.Temperature limitations. CAUTION — Safety ground precaution. Remove power cordDo not pull onSymbols for Exergen temporal scanner. Attention, consult accompanying documents. Type BF Applied Part.Manufacturer This symbol is accompanied by the name andManufacturing date This symbol is accompanied by the dateMeasurement On button.About this manual. Printed copies of this manual. The letter shown in this revision history table relates to the release level of thisRevisionRelease level of this document. Printed copy of the manual. A paper copy of this manual will be provided upon request in the U.S.. ContactConventions used in this manual. Within this manual, abbreviations, special styles and formats are used to refer toHealthcare. Service or service personnel refers to service personnel trained by Innokas. Medical or a service provider trained and authorized by Innokas Medical. In this manual, the VC150 vital signs monitor is referred to as the monitor. Names of physical or hardware keys on the equipment are written in boldMenu items are written in bold italic typeface Monitor Setup. Emphasized text is in italic typeface. Menu options or control settings selected consecutively are separated by.

When referring to different sections in this manual, section names areThe word "select" means choosing and confirming. Messages alarm messages, informative messages displayed on the screenNote statements provide application tips or other useful information. Any illustrations appearing in this manual are provided as examples only. They may not necessarily reflect your monitoring setup or data displayed onAny names appearing in examples and illustrations are fictitious. The use ofVC150 Vital Signs MonitorService requirements. If your product requires warranty, extended warranty or nonwarranty repairMedical representative. To facilitate prompt service in cases where the productThe representative will record all necessary information and will provide a. Return Authorization Number. Prior to returning any product for repair, a Return. Authorization Number must be obtained. Follow the service requirements listed below.Any unauthorized attempt to repair equipment under warranty voids thatIt is the user's responsibility to report the need for service to local Innokas. Medical service or service provider authorized by Innokas Medical. Failure on the part of the responsible individual, hospital or institution usingRegular maintenance, irrespective of usage, is essential to ensure that theVC150 Vital Signs MonitorThis page is intentionally left blank.VC150 Vital Signs MonitorFront view. The VC150 monitor display is a touch screen where screen items are selected byAlarm light. Touch screenRear

view and left side. SpO2 connection, ifRemote alarm connector. Power switch andUSBA and powerUSBB port forPrinter door with patentSlot for futureProduct identificationVC150 Vital Signs MonitorRight side. A monitor with the Exergen temperature technology configuration settingWelch Allyn WA temperatureWA TEMP label next to WAIf the monitor does not have the Welch Allyn frame installed, then there are twoVC150 Vital Signs MonitorUser interface and connections.

The VC150 screen design is divided into different sections that are covered moreTechnical information and clinical information. Information displayed. Battery low color red. DC connected. Battery charging color green. Battery charge level. Battery failure. WLAN is active. Connecting to WLAN. No WLAN available. Name. Patient name. Service can select following format for the patient name. Time and DateShow only last name. Show only first name. Show only identification. Show last name and initial for the first name. Time and Date. VC150 Vital Signs MonitorNotification area. Alarm and technical messages are displayed in the notification area. The alarmInformation displayed. Audio alarms are enabled. Action icon for silencingIndication that alarms are silenced. A countdown timerIndication that alarms are disabled in spotcheck mode. Parameters. Menu selections for SpO2 settings are different depending upon the purchasedDefault expiration time forThis can be adjusted in theParametersVC150 Vital Signs MonitorParameters. Screen during an NIBP measurementPerfusion index indicated by a numericSignal quality indicated by asterisks. Source Perfusion Index TruSignal and. Nellcor and SIQ MasimoGraph area. An optional plethysmographic waveform is displayed in the graph area. If theGraph area. Plethysmographic waveform Pleth. Plethysmographic waveform with Masimo. RRa curve. Masimo data bar optional. Optional data from Masimo SpO2 technology is displayed in the Masimo bar atMasimo data bar optional. Total hemoglobin concentration optional. Fractional methemoglobin concentrationFractional carboxyhemoglobin concentrationTotal arterial oxygen content optional.Main Menu. The main menu bar contains icons to navigate within the user interface. Main menu.

The home icon is used to close the active monitor setup menuAlarm Setup is used to adjust for various alarm settings andMonitor Setup is used to access a screen where you canPatient is used to access stored measurements, and manageSnapshot is used to store parameter measurement data intoHelp is used to access an index screen of topics and a contextOperating modes. The monitor has following modes of operation. Clinical mode. Spotcheck mode. Monitoring mode. Configuration mode with three levels of access. Monitor Setup for settings by any user. Default Setup passwordprotected area for settings by someone atService Mode passwordprotected area for additional configuration,Clinical mode. The clinical mode starts right after theWhen the homeThe clinical mode will end when theDuring Monitor Setup and Default. Setup, monitoring processes continue in. Clinical mode screenIn the clinical mode, all parameters are available for monitoring and userAlarm limits are available only in monitoring mode, notSpotcheck mode and monitoring mode. Clinical spotcheck mode sometimes called manual mode is intended for briefIn monitoring mode,Monitor configuration. The monitor has three types of settingsThis is resetAll users can access Alarm Setup, Monitor Setup and Patient to configure orWhen a menu icon is selected, the related menu screen will be displayed, theThat indicates youCurrent settings or default settings can be adjustedAlarm setup. The alarm limit adjustment allows you to change upper and lower alarm limitDepending on the purchasedAll changes are temporary and return to the default configuration settingsTo permanentlyAlways check your alarm settings before using the monitor. Caution should be taken to not set alarm limits to extreme values, asMonitor Setup. Monitor Setup consists of four tabs that all users are allowed to configure.

TheseTo make these changesNIBP is used to select cuff position, target inflation pressures and patientSpO2 is used to select measurement site and visual elements of the SpO2Refer to "GE TruSignal SpO2" on page 71,Temperature is used to configure temperature measurement. Refer

toDefault Setup. Passwordprotected Default Setup is used for a more advanced configurationRefer to "Default setup"Availability of configurable featuresPatient. Patient and caregiverrelated data in Patient can be accessed for the following. Entering patient information and searching for patients. Logging the caregiver on and off. Viewing, editing and sending snapshotsPrintout. The printer is an optional feature of theContents of the printout can beItemMonitor name and model number. Current software revision. ThePatient name. Time of printing. Information about the patient andSnapshot. Middle Vital signs information is displayed as a snapshot orTwo differentPrinted contents vary depending onRight side Units of measurement. VC150 Vital Signs MonitorRemote Management. Some service work can be done through remote service interface.The following applies to the remote service. A remote service active screen displays the IP address of the monitor. Waiting for Service User actions and Cancel. If service is logged on, theRemote service is stopped after 5 minutes of inactivity. If completion of service work requires restarting the monitor, the remoteBattery low shutdown or system failure. If battery power is nearly depleted or the system detects a serious failure, theRefer to "Alarms"Sounds. The monitor generates sounds to indicate parameter events, and physiologicalBattery charger sounds. Whenever the external DC charger is connected and disconnected, the monitorEssential performance. The VC150 vital signs monitor measures physiological parameters withinThe measurement ranges and accuracies depend on the measurementGE TruSignal SpO2 accuracy and ranges. Measurement range.

SpO2 saturation rangePulse rate rangeMeasurement accuracy. SpO2 saturation accuracy. Pulse rate accuracyMeasurement range. SpO2 saturation rangePulse rate rangeRespiration rate range. Measurement accuracyPulse rate accuracy. VC150 Vital Signs MonitorMeasurement range. SpO2 saturation rangePulse rate rangeSpCO rangeSpMet rangeSpHb range. Respiratory Rate rangeMeasurement accuracyPulse rate accuracy. Respiration rate accuracy. SpCO accuracy. SpMet accuracy. SpHb accuracy. VC150 Vital Signs MonitorNIBP accuracy and ranges. Measurement range Auscultatory algorithm. Systolic BP range. MAP range. Diastolic BP range. Pulse rate range. Measurement accuracy Auscultatory algorithm. Blood pressure accuracyPulse rate accuracy. Measurement range SuperSTAT algorithm. Systolic BP rangeMAP rangeDiastolic BP rangePulse rate range. Measurement accuracy SuperSTAT algorithmPulse rate accuracy. VC150 Vital Signs MonitorWelch Allyn temperature accuracy and ranges. Patient temperature range. Measurement accuracy. Monitor mode temperature accuracy. Exergen temperature accuracy and ranges. Temperature range. Temperature accuracy. Product specifications. Mechanical. Dimensions. HeightWidthDepthWeight including batteryMountings. Tabletop selfsupporting on rubber feet, mounted on a roll stand or aPortability. Carried by handle. Power requirements. Universal power converterProtection against electrical shock. Class I. AC input. DC output voltageThe AC mains power adapter contains a nonresettable and nonreplaceable fuse. Rated supply frequencyMonitor. Screen. Resistive touch screen. Protection against electrical shock. Internally powered or Class I when powered from specified externalDC input voltageFuses. The monitor contains two T3.5A replaceable fuses on the mother boardThe battery packet contains overcurrent andThe fuses protect the low voltage DC input andMain battery. Refer to "Monitor battery specifications" on page 136. Environmental. Operating temperature.

Humidity rangeOperating atmospheric pressureStorage temperature. Atmospheric pressureHumidity rangePrinter specifications. Printer type. Thermal dot array. ResolutionPaper type. The paper roll used by the printer must be compatible with 32018145. Languages printed. All user interface languages. Connectivity specifications. Wireless specifications. WLAN connection standard. WLAN speed. Maximum. WLAN output level Effective Radiated. Power, ERPWLAN bands. Capable of communicating on 2.4 GHz and 5.1 GHz bands. The allowable range of DSCP values per. Access Category for interoperabilityNonrealtime clinical data 0 7. Nonrealtime, nonclinical data 8 23. Use of generalpurpose WLAN network. No dedicated wireless network required. WLAN encryption methods. NoneAuthentication. WEP Open System, Shared KeyNumber of SSID profiles.

Up to 4 SSID profiles that service can define and configure.VC150 Vital Signs MonitorWireless specifications. WLAN frequency band settingsWLAN information displayed. Transmit power dBmFragmentation Threshold. IP Address. Bit Rate. Link Quality. Noise Level. Signal to Noise Ratio. Signal level RSSI in terms of dBm. Network adapter MAC address.

http://www.familyreunionapp.com/family/events/boss-bv9055-manual