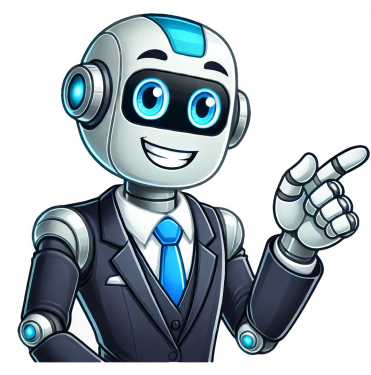


Continue



Inflated the cuff to 300 mmHg or moreWhen inflating in Auscultation Mode,release the button when the pressureduring inflation in Auscultation Mode.reaches the desired value.E3LowIf this occurs during measurement, repeatmeasurement.Over-inflation occursIf this occurs when not performingmeasurement, contact OMRONE40MediumThe battery is depleted.Recharge the battery, or replace with a newbattery. (page 14)E41MediumBattery failed to charge.Try charging again. If continues to fail,replace with a new battery. (page 14)Replace the battery with a new battery. If theE42MediumBattery voltage errorerror continues, contact OMRONHEALTHCARE.As there is a risk of environmental pollution, follow your applicable national and local legal regulations regarding disposal or recycling of this equipment and batteries.The main constituents of each part are listed in the table below. As there is a risk of infection, do not recycle patient attachments such as cuffs, but dispose of them as instructed by your icillcys procedures and applicable regulations.ItemBoxCardboardENPackageCushionCardboardBagPEMain unit andEnclosureABS, PC, PSAccessoriesInternal partsGeneral electronic componentsOuter tubeBattery packCell batteriesNickel-metal hydrideInternal partsGeneral electronic componentsPage 2The alarm lamp flashes when a medium-priority alarm occurs, and lights steadily when a low-priority alarm occurs.To clear an alarm, press any button.If a low-priority alarm and a medium-priority alarm occur at the same time, the medium-priority alarm is displayed.If the alarms are the same priority level, the error code of the alarm that occurred first is displayed. However, to prevent battery consumption when powered by battery, a low battery error (E40 error) is always given priority.Example: E2SYSTEMNIBPErrorPriorityDescriptionPoints to checkcodeThe cuff tube is not connectedFirmly connect the cuff tube.E1LowAir is leaking from the cuff.Replace with an OMRON GS CUFF thatdoes not leak.Did not inflate properly because the armHave the patient not move the arm or body,or body moved during measurement.andrepeat measurement.Moved body or arm duringHave the patient not talk or move, andmeasurement, or talked.repeat measurement.The cuff is not applied correctly.Correctly apply the cuff.E2LowThe sleeve is rolled up and isRemove the garment and re-wrap the cuff.compressing the arm.The measurement time exceeds theMeasurement time has exceededexpected time, so the measurement wasended in order to avoid patient discomfort.specified time. There is a possibility that measurement isSpecified time: 165 secondsbeing repeated over and over due to airleaking from the cuff.Page 3Cause / solutionThe causes below are possible. Check the patient by palpation and then repeat measurement.Body movement (chills or other trembling)Arrhythmia.Noise in the cuff-A nearby person touched the patient.-Cardiac massage was being performed.The measurement value is questionableCauseSolutionDeflates quicklyCheck for a loose cuff connection.Simultaneously perform measurement with a stethoscope.Place the stethoscope and listen while viewing the pressure display of the manometer.Blood pressure may vary widely due to physiological effects.The causes below are possible.Emotional excitement or agitation-Pain due to cuff wrapping-White coat hypertensionCuff size or wrapping method not correctCuff wrapping position on upper arm not at the same height as the heartPatients blood pressure not stable due to pulsus alternans, respiratory changes, or other reasonIncorrect cuff size used.Measure circumference or patients arm and ensurecorrect sized cuff is used.Cuff wrapped over thick clothing.Ensure cuff is applied to a bare arm, or very thin clothing.Patient not seated properly.Ensure patient is seated, feet flat on the floor, cuff atheart level.Ensure before measurement taken, patient has notPatient ate, drank, or exerted themselves recently,had food, caffeinated or alcohol beverages, orexerted/exercised in the last 30 minutes.OMRON will not bear any responsibilities on the following matters.1.When a problem or damage occurs caused by the maintenance and/or repair conducted by a person other than OMRON or the dealer specified by OMRON.2.The problem or damage of OMRON product caused by the product of other manufacturer not delivered by OMRON.3.The problem and damage caused by the maintenance and/or repair using the repair parts not specified by OMRON.4.The problem and damage caused by the results not observing the Notes on Safety or the operational method mentioned in this Instruction Manual.5.Under the circumstances not within the operating conditions of this unit including the power source or the setting environment mentioned in this Instruction Manual.6.The problem and damage caused by the result(s) of remodeling or improper repair of this product.7.The problem and damage caused by act of god such as fire, earthquake, flood, or lightning!1.The contents of this Instruction Manual may be changed without prior notice.2.We have thoroughly reviewed the contents of this Instruction Manual. However, if an inadequate description or error is found, please let us know.3.It is prohibited to copy a part of or the entire Instruction Manual without getting OMRON's permission. Unless this Instruction Manual is used by an individual (company), it cannot be used without getting OMRON's permission from the standpoint of the Copyright Law.Inflation error Confirm that the air tube connecting the cuff and When the pressure does not exceed 12the main unit is connected securely mmHg within the set time after the start ofinflation Confirm that the air flow in the air tube When the set time expires, the cuff pressure does not reach the setconnecting the cuff and the main unit isn't cuff pressure within the specified timebeing restricted,after the start of inflation Confirm that the cuff is wrapped correctly (referDeflation error to pages 14 and 15). When the deflation speed is too fast duringthe measurement Check bladder for leaks and, if necessary, When the deflation speed is too slowreplace the bladder with new one (option) during the measurementWhen the measurement does not finish within the specified time after starting the measurementOverpressure error Confirm that air flow in the air tube connecting The cuff pressure exceeded 299 mmHg,the cuff and the main unit isn't being restricted.Insufficient inflation error If the measurement is made by setting the P-SET Blood pressure could not be measuredto "AUTO", ask the patient not to move duringdue to insufficient inflation level.the inflation. Confirm that the P-SET is securely set to"AUTO". Turn the Knob counterclockwise as faras it goes until you can hear a click sound. If the measurement is made by manual inflationlevel setting, set the value to 30 to 40 mmHgHigher.Indeterminable blood pressure error Blood pressure could not be measured Confirm that the cuff is wrapped correctly (referrefen when the patient pressure reached thetho pages 14 and 15).specified pressure.Low pulse level error Pulse wave was too small. Confirm that the cuff is wrapped correctly (refereto pages 14 and 15).Blood pressure error Relationship between systolic and diastolic pressure Ask the patient not to move during the measure-tolic pressures was abnormal.ment.Pulse rate error Check the patient for arrhythmia. Pulse rate did not stay within the range of30 to 199 beats/min.Device error Contact Omrons repair department toll-free at Main unit malfunction.(1-877-216-1336).If the unit malfunctions during use, please check the following:is the cuff wrapped correctly?measure again.(Refer to Page 14 and 15.)Is the patient moving duringAsk the patient not to moveThe unit inflates toduring measurement, andinflation?abnormally high (low)measure again.pressure.Set the P-SET to 30 to 40 mmHgDoes this patient have arrhythmia/higher than estimated systolicpressure of the patient, thenmeasure. After checking the patient withCheck the patient's condition, the stethoscope refer to the "listof error codes" (Refer to Page 28.)Is the patient moving during theAsk the patient not to moveDuring measurement, andmeasurement?measure again.The monitor cannotSet the P-SET to 30 to 40 mmHgmeasure bloodDoes the patient have anhigher than estimated systolicpressure, arrhythmia?pressure of the patient, thenMeasured values aremeasure abnormally high (low).Is the size of the cuff correct andSelect the cuff according to thepatient's arm circumference, wraps it wrapped correctly?If correctly, then measure again.(Refer to Pages 14 and 15.)Keep the level of the brachium to the level of the brachium to which the cuff is wrapped at the which the cuff is wrapped at the same level as the heart, thenmeasure again.Are the patients clothes restricting?Remove the clothing andnormal blood flow to the arm?measure again.IntroductionIntended useExemptions1Notes on Safety2Warnings and Cautions3Using the UnitComponents of the Product1Options1Features / Functions of Unit12Installing the Battery Pack14Connecting the AC Adapter15System SettingsMenu Mode16Utility Mode17Non-Invasive Blood Pressure (NIBP) MeasurementNon-Invasive Pressure Measurement Principles18Cuff Selection and Connection19Applying the Cuff to the Patient20Taking the Measurement in Manual Mode21Taking the Measurement in Auscultation Mode22Stopping the Measurement23Displaying Last Reading23MaintenanceMaintenance Inspection and Safety Management24Cleaning of the Device24Accessory Care24Check before Use25Troubleshooting26List of Error Codes28Disposal29SpecificationsFactory Default Settings30Technical Specifications: HBP-130030Manufacturers Declaration33(within the scope of EC Medical Device Directive 93/42/EEC)GS CUFF XLHXA-GCUFF-XLB (9065802-0)GS CUFF SSHXA-GCUFF-SSLB (9065801-2)GS CUFF LHX-GCUFF-LB (9065798-9)CUFF HOSE No.1 (3.5m)HBP-CUFFH-BL U35 (9968171-8)GS CUFF MHXA-GCUFF-MLB (9065799-7)CUFF HOSE No.2 (1.5m)HBP-CUFFH-BL U15 (9968172-6)HXA-GCUFF-SLB (9065800-4)AC adapter*AC ADAPTER-E1600 (9963658-2)*UK plug typeAC ADAPTER-UK1600 (9994843-9) CautionOnly OMRON GS CUFF can be used with this device.Feature of the ProductThe OMRON HBP-1300 is an affordable professional blood pressure unit that is clinically proven accurate and provides fast, reliable results and is easy to use.Key features, benefits, look5 cuffs available - (SS: 12 to 18 cm, S: 17 to 22 cm, M: 22 to 32 cm, L: 32 to 42 cm, XL: 42 to 50 cm) (12 to 50 cm arm circumference)Measurements can be used on a tableMotion stop function (When body movement is detected, the device stops deflation for 5 seconds.)Irregular pulse Indicator - Helps identify changes in heart rate, rhythm, or pulse which may be caused by heart disease or other serious health issues.Inflation Pressure Setting - 4 options: Auto, 220 mmHg, 250 mmHg, 280 mmHgLast reading display functionAuto-OffCustom Rechargeable batteryLarge, easy-to-read backlight displayPage 2Before using the unit, make sure that no accessories are missing and that the unit and accessories are not damaged. If an accessory is missing or there is damage, please contact OMRON HEALTHCARE.Main unitStandard Medical AccessoriesGS CUFF L (32 - 42 cm)/M (22 - 32 cm)AC adapterOthersBattery packInstruction Manual (this paper)OptionsOptional AccessoryBattery packHXA-BAT-2000 (9065797-0)The alarm lamp flashes when a medium-priority alarm occurs, and lights steadily when a low-priority alarm occurs.To clear an alarm, press any button.If a low-priority alarm and a medium-priority alarm occur at the same time, the medium-priority alarm is displayed.If the alarms are the same priority level, the error code of the alarm that occurred first is displayed. However, to prevent battery consumption when powered by battery, a low battery error (E40 error) is always given priority.Example: E2SYSTEMCodeSensor failure-Sensor range not stableOutside of sensor rangePressure gain lower limit value / upper limit valueE9MediumPressure sensor count upper limit / lowerContact OMRON HEALTHCARE Customerlimit errorService.EEPROM failure:Checksum errorRead errorProtect code errorSwitch error: Error in switch on stateNIBPErrorPriorityDescriptionPoints to checkcodeThe cuff tube is not connectedFirmly connect the cuff tube.E1LowAir is leaking from the cuff.Replace with an OMRON GS CUFF thatdoes not leak.Did not inflate properly because the armHave the patient not move the arm or body,or body moved during measurement.andrepeat measurement.Moved body or arm duringHave the patient not talk or move, andmeasurement, or talked.repeat measurement.The cuff is not applied correctly.Correctly apply the cuff.E2LowThe sleeve is rolled up and isRemove the garment and re-wrap the cuff.compressing the arm.The measurement time exceeds theMeasurement time has exceededexpected time, so the measurement wasended in order to avoid patient discomfort.specified time. There is a possibility that measurement isSpecified time: 165 secondsbeing repeated over and over due to airleaking from the cuff.Factory default settings and backup are as shown below.Backup: Setting is retained even if the power is interrupted.- Reverts to factory default setting if the power is turned off.Initial Inflation Pressure ValueAuto, 220, 250, 280AUTOAuscultation ModeON, OFFOFFAuto Power Off5 min, 10 min5 minMeasurement ParameterDimensionMain unit: 123 x 201 x 99 (mm) 4.84 x 7.91 x 3.90 (inch) (W x H x D)AC adapter: 46 x 66 x 37 (mm) 1.81 x 2.60 x 1.46 (inch) (W x H x D)Battery: 54 x 43.5 x 15.4 (mm) 2.13 x 1.71 x 0.61 (inch) (W x H x D)WeightMain unit: Approx. 0.52 kg (not including accessories and options)AC adapter: Approx. 0.2 kgBattery: Approx. 0.1 kgDisplay / segment LCDProtection ClassClass II (AC Adapter)Internal powered equipment (when operating with battery only)Degree of ProtectionType BFMD ClassificationClass II aAC adapterInput voltage range: AC 100 V to 240 VFrequency: 50/60 HzOutput voltage range: DC 6 V 5%Rated output current: 1.6 ARechargeable batteryType: 3.6 V, 1900 mAhNumber of operation cycles when fully charged: 300Measurement conditionsNew battery fully chargedAmbient temperature of 23C (73.4F)Using M-size cuffsSYS 120 / DIA 80 / PR 60 (Inflation setting: AUTO)One 5-minute cycle consisting of cuff measurement time + wait time WarningWhen cleaning the unit, turn off the power and disconnect the AC adapter from the unit.After cleaning the unit, make sure it is completely dry before connecting to a power outlet.Do not spray, pour, or spill liquids into or onto the unit, accessories, connectors, buttons, or openings in the housing. CautionDo not use thinner, benzene, or other solvents to clean the unit.Do not sterilize by autoclave or gas sterilization (EOG, formaldehyde gas, high-concentration ozone, etc.).If using an antiseptic solution for cleaning, follow the instructions of the manufacturer.Clean the unit regularly.Maintenance and inspection WarningTo use the unit safely and correctly always inspect the unit when starting work.Unauthorized modification is prohibited by law. Do not attempt to disassemble or modify the unit.ChargingThe icon flashes, Fully chargedThe icon is lit.(Charging completed)Problem with theError message is displayed.-batteryFully chargedThe icon is lit.The unit can be used.Battery level is 20%.The icon flashes (E40 error not displayed).The unit can be used.The icon flashes (E40 error not displayed).The unit cannot be used.-Battery level is 5%.If the unit is being continuously used, the power will automatically turned off in 30 seconds.Verify that the power outlet supplies the specified voltage and frequency (100 - 240 V AC, 50/60 Hz).Connect the AC adapter to the DC jack on the unit and the power outlet.Note:When the battery pack is installedIf there is no problem with the following-AC adapter-DC jack-Power outlet-BatteryAnd the icon does not flash, contact OMRON HEALTHCARE.If you are using an Omron blood pressure monitor then you must know about the error codes that might show up on your Omron blood pressure monitor and the reasons why they occur and the possible solutions to the error codes that appear on your device monitor. In this article, we have discussed the Omron blood pressure monitor error codes, the reason and the solution of those error codes. Also read: Traeger error codes explained Below we have discussed the error codes and their reason and the solution for those errors in the Omron blood pressure monitor. Error CodesReasonSolutionEr1 or E1It is an inflation error and is shown on the device monitor when the air plug is disconnected or the arm cuff is not applied properly or air is leaking from the arm cuff.Make sure the air plug is connected properly to the device and check the airflow from the air tube connected to the device is proper. Check the arm cuff for any air leakage and make sure to apply the arm cuff properly.Er2 or E2It is a deflation error and is shown on the device monitor when the air cuff is over-inflated or under-inflated. Make sure the air plug is connected properly to the device and check the airflow from the air tube connected to the device is proper. Er3 or E3It is an overpressure error and is shown on the device monitor when the cuff pressure goes above 299 mmHg. Check the airflow from the air tube connected to the device is proper.Er4 or E4It is shown on the device monitor when the device is unable to take the blood pressure measurement due to movement during measurement.D0 the measurement again and try not to move during the measurement.Er5 or E5It is shown by the device when there is interference by any clothing with the arm cuff.Remove any clothing that you think might be interfering with the arm cuff.The device monitor shows a battery sign with a cross mark.It is shown by the device monitor when the batteries are worn.Replace the batteries of the device.The blood pressure measurements came too high or too low.It is shown by the device monitor when there is an error in taking measurements or due to other factors.Sometimes it is normal when the blood pressure goes high or low as it might fluctuate because of stress and the time of the day. If the fluctuations are above or below the range your doctor said is normal then you must contact your doctor.The device monitor is blank.The device is blank when either the power is off or the batteries of the device are dead.If you dont see anything on the device monitor then make sure that the device is on and check whether the batteries are installed properly or not. Replace the batteries if necessary. If you are unable to resolve the errors with your Omron blood pressure device monitor then you must contact Omron customer support. Phone No. (866) 216 1333 Also read: Spectrum error codes explained Error Code Electronic Products Are you having the error code E1 with Omron BP Monitor? If yes then in this post we are going to share the possible workaround to deal with this error. There are two main reasons behind the Omron BP (Blood Pressure) Monitor Error Code E1. The Weather Air plug is not connected or the air is leaking from the Arm Cuff. How To Fix Omron BP (Blood Pressure) Monitor Error Code E1? If the Air plug is not connected then you may get this error, so check the Air Plus connection and then check if you still have the error. If it's not the Air Plug then it's possible that the air is leaking from the arm Cuff. So try taking another measurement and make sure to remain still until the measurement completes. Like This Post? Checkout More Omron blood pressure monitors are popular for their accuracy and ease of use. But, like any device, they can sometimes give issues. Do you own an Omron blood pressure monitor and face some troubles? Dont worry; you are not alone. Many users experience minor problems with these devices. This blog post will help you troubleshoot common issues quickly. Whether your monitor is giving incorrect readings, showing error messages, or not turning on, we will guide you step-by-step.Understanding how to fix these problems yourself can save you time and frustration. Read on to learn simple solutions and get your Omron blood pressure monitor back to working perfectly.Omron Blood Pressure Monitor TroubleshootingCredit: m.youtube.comOmron blood pressure monitors are reliable devices. But, like all electronics, they may face issues. Understanding common problems helps in quick troubleshooting.This section covers frequent issues users encounter.If your Omron blood pressure monitor isnt turning on, check the power source first. Ensure the batteries are correctly inserted. Replace old batteries with new ones. Use the correct type as specified in the manual.Next, inspect the battery contacts. They should be clean and free from corrosion. If dirty, gently clean them with a dry cloth. If using an AC adapter, confirm its properly connected to both the device and the power outlet.If the device still wont turn on, try resetting it. Consult the manual for reset instructions. If none of these steps work, consider contacting Omron customer support for further assistance.Inaccurate readings can be frustrating. Ensure the cuff is placed correctly. It should be snug but not too tight. Position the cuff on your upper arm, about an inch above your elbow.Rest for at least five minutes before taking a reading. Sit comfortably with your back supported. Place your feet flat on the floor. Keep your arm at heart level during measurement.Verify the device is calibrated properly. Check the manual for calibration procedures. If you suspect the monitor is faulty, contact Omron support for advice.Common IssuesPossible SolutionsDevice Not Turning OnCheck batteries, clean contacts, reset device.Inaccurate ReadingsCorrect cuff placement, proper posture, calibration follow manufacturer instructions.Problem with BluetoothPairing correctly, ensure device is in range, restart pairing process.Problem with AppDownload the latest app, ensure correct permissions, restart app, clear app cache.Problem with Data SyncEnsure correct permissions, restart sync process, check internet connection.Problem with PowerOn/OffCheck battery level, ensure proper connection, reset device.Problem with Error MessagesRead the manual, ensure correct usage, contact support if needed.Problem with CuffFit the cuff correctly, ensure it is the right size for your arm, check for obstructions.Problem with Inflation/DeflationWait for full inflation, check for leaks, ensure proper connection, check for obstructions.Problem with DisplayCheck battery level, ensure proper connection, reset device.Problem with SoundCheck volume settings, ensure speaker is not blocked, reset device.Problem with CalibrationPerform calibration routine, check manual for instructions.Problem with AccuracyEnsure proper posture, avoid movement during measurement, use correct cuff size.Problem with PortabilityEnsure proper storage, use carrying case, avoid extreme temperatures and humidity.Problem with DurabilityAvoid contact with liquids, use soft cloth for cleaning, store in a cool, dry place, avoid extreme temperatures and humidity.Problem with AccessoriesEnsure proper use, read manual, contact support if needed.Problem with FirmwareUpdate firmware if available, contact support if needed.Problem with Customer SupportContact Omron support, visit Omron website, check Omron community forum, contact local Omron representative.Problem with WarrantyRead the warranty terms, contact Omron support, provide proof of purchase, contact local Omron representative.Problem with Return/RefundRead the return policy, contact Omron support, provide proof of purchase, contact local Omron representative.Problem with ReplacementContact Omron support, provide proof of purchase, contact local Omron representative.Problem with RepairContact Omron support, provide proof of purchase, contact local Omron representative.Problem with DisposalContact Omron support, follow local disposal regulations, contact local recycling center, contact local hazardous waste disposal facility.Problem with RecyclingContact Omron support, follow local recycling regulations, contact local recycling center, contact local hazardous waste disposal facility.Problem with EnvironmentAvoid extreme temperatures, avoid direct sunlight, avoid moisture, avoid contact with liquids, avoid contact with sharp objects, avoid contact with fire, avoid contact with electrical equipment, avoid contact with magnetic resonance imaging (MRI) equipment. If MRI is to be performed, remove cuff connected to the unit from the patient.Do not use with a defibrillator.Do not install the unit in the following locations:-Locations subject to vibration such as ambulances and emergency helicopters.-A location where there is gas or flame.-A location where there is water or steam.-A location where chemicals are stored.Do not use at extremely high temperature, high humidity, or high altitude. Use only within the required ambient conditions.Do not subject the unit to intense shock.Do not place heavy objects on the AC adapter cable, or allow the unit to sit on the cord.Clinical testing has not been conducted on newborn infants and pregnant women. Do not use on newborn infants and pregnant women.Do not plug in or unplug the AC adapter with wet hands. CautionDo not install the unit in the following locations:-Locations with dust, salt, or sulfur.-Locations directly exposed to sunlight for extended periods (in particular, do not leave in direct sunlight or near a source of ultraviolet light for extended periods, as ultraviolet light will cause deterioration of the LCD).-Locations subject to vibration or shock.-Near heaters.Do not use the unit near large equipment that uses a switching relay for power ON/OFF.If the unit is being powered by the battery, the batteryInsert battery or replace with a new battery (page 14) is not installed or the charge is depleted.Internal part failureDisconnect the AC adapter, remove the battery, andcontact OMRON HEALTHCARE.Check if the AC adapter is disconnected or the connection is loose.Check if the AC adapter or battery has failed.The unit display does not operateCause / solutionStop using the unit and contact OMRON HEALTHCARE.The unit becomes hotCauseSolutionAn object is on top of the unit or right next to the unit.Keep the area around the unit free of objects.If the unit becomes too hot to be touched, there may be a problem in the unit. Turn off the unit power, disconnect the AC adapter, remove the battery, and contact OMRON HEALTHCARE.The unit is connected to a power outlet, but it runs on the battery packCause / solutionIf AC power cannot be supplied, the unit will operate by battery only.Check if the AC adapter is properly connected to the unit.Check if AC adapter is connected to a power outlet.The electrical outlet is working by connecting a different device to the same power outlet.The cuff does not inflate when the [START/STOP] button is pressedCauseSolutionLoose cuff tube connection.Check the connection.There is an air leak in the cuff.Replace the cuff.If pressure is displayed, the cuff tube is bent.Make sure no part of the cuff tube is bent.Cause / solutionCheck the patient by palpation or other method.After checking the patient, check the error code and see List of Error Codes (page 28) for Non-Invasive Blood Pressure (NIBP) measurement.Page 2Before conducting safety checks, be sure to implement the items in the Cleaning of the Device and Accessory Care sections. (page 24)Before turning on the powerBefore turning on the power, check for the followingExternal appearanceThe device or accessories are not deformed due to falling or other impact.The device is not dirty.The device is not wet.AC adapterThe AC adapter is firmly connected to the connector on the device.There are no heavy objects lying on the AC adapter cable.The AC adapter cable is not damaged (core-wire exposure, breaks, etc.).When turning on the powerWhen turning on the power, check the followingDisplay/lampWhen the [START/STOP] button is pressed to turn on the power, the screen below appears and the alarm lamp lights (page 13).The alarm lamp is lit up.After turning on the powerAfter turning on the power, check for the followingExternal appearanceThere is no smoke or odor coming from the device.The device is not making any unusual noises.ButtonsPress each button and check that it works.Non-invasive blood pressure (NIBP)Make sure that a suitable OMRON GS CUFF is attached (one that fits the circumference of the patients arm).The cuff tube is firmly connected.The person checking the cuff should wrap the cuff around arm, perform cuff measurement and check to see that blood pressure is in the vicinity of normal measurements.While measurement is in progress, bend the relevant arm and move body to halt discharge and during this halt check that cuff pressure does not drop. WarningIf battery fluid comes in contact with the eye, immediately flush with copious amounts of water. Do not rub. Seek medical attention immediately.Do not use the battery in any other device besides this unit. Do not throw into flame, disassemble, or heat. CautionDo not short the positive and negative terminals of the battery pack with a wire or other metal object. If battery fluid comes into contact with the skin or clothes, immediately rinse with water.1. Make sure the AC adapter has been disconnected.2. Remove the two screws from the top of the rear unit cover, and remove the battery cover.3. Connect the battery pack to the connector on the monitor, and insert the battery pack into the compartment so that the triangle mark on the battery pack is aligned with the triangle mark on the monitor.4. Replace the battery cover and secure with screws.Take care not to pinch the wires when replacing the cover.5. Connect the AC adapter to the unit and charge the battery pack.When using the battery pack for the first time, be sure to fully charge (about 4 hours) before using.Battery lifeAbout 300 measurements are possible with one charge.A general guideline for replacement of the battery pack is about one hour, however, the usage time per charge may grow shorter depending on usage conditions. If you find that the usage time after each charge has grown shorter and the icon frequently appears, replace the battery pack.Charging timeCharging automatically starts after the AC adapter is connected.When a new battery pack or a battery pack that has not been used for a long time is used, some time may elapse before charging starts.The icon flashes during charging.Charging is completed in about 4 hours.Low batteryWhen the icon starts flashing, promptly charge the battery pack.When the icon changes to, the battery is too low for blood pressure measurement. Charge the battery.Auto Power OffWhen the unit is powered by the battery pack, the power automatically turns off after the set time elapses if you forget to turn off the power.When the unit is used with the AC adapter connected, the Auto Power Off setting does not operate.Page 2ChargingThe icon is lit.(Charging completed)Problem with theError message is displayed.-batteryFully chargedThe icon is lit.The unit can be used.Battery level is 20%.The icon flashes (E40 error not displayed).The unit can be used.The icon flashes (E40 error not displayed).The unit cannot be used.-Battery level is 5%.If the unit is being continuously used, the power will automatically turned off in 30 seconds.Verify that the power outlet supplies the specified voltage and frequency (100 - 240 V AC, 50/60 Hz).Connect the AC adapter to the DC jack on the unit and the power outlet.Note:When the battery pack is installedIf there is no problem with the following-AC adapter-DC jack-Power outlet-BatteryAnd the icon does not flash, contact OMRON HEALTHCARE.

Inflated the cuff to 300 mmHg or moreWhen inflating in Auscultation Mode,release the button when the pressureduring inflation in Auscultation Mode.reaches the desired value.E3LowIf this occurs during measurement, repeatmeasurement.Over-inflation occursIf this occurs when not performingmeasurement, contact OMRONE40MediumThe battery is depleted.Recharge the battery, or replace with a newbattery. (page 14)E41MediumBattery failed to charge.Try charging again. If continues to fail,replace with a new battery. (page 14)Replace the battery with a new battery. If theE42MediumBattery voltage errorerror continues, contact OMRONHEALTHCARE.As there is a risk of environmental pollution, follow your applicable national and local legal regulations regarding disposal or recycling of this equipment and batteries.The main constituents of each part are listed in the table below. 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However, to prevent battery consumption when powered by battery, a low battery error (E40 error) is always given priority.Example: E2SYSTEMNIBPErrorPriorityDescriptionPoints to checkcodeThe cuff tube is not connectedFirmly connect the cuff tube.E1LowAir is leaking from the cuff.Replace with an OMRON GS CUFF thatdoes not leak.Did not inflate properly because the armHave the patient not move the arm or body,or body moved during measurement.andrepeat measurement.Moved body or arm duringHave the patient not talk or move, andmeasurement, or talked.repeat measurement.The cuff is not applied correctly.Correctly apply the cuff.E2LowThe sleeve is rolled up and isRemove the garment and re-wrap the cuff.compressing the arm.The measurement time exceeds theMeasurement time has exceededexpected time, so the measurement wasended in order to avoid patient discomfort.specified time. There is a possibility that measurement isSpecified time: 165 secondsbeing repeated over and over due to airleaking from the cuff.Page 3Cause / solutionThe causes below are possible. Check the patient by palpation and then repeat measurement.Body movement (chills or other trembling)Arrhythmia.Noise in the cuff-A nearby person touched the patient.-Cardiac massage was being performed.The measurement value is questionableCauseSolutionDeflates quicklyCheck for a loose cuff connection.Simultaneously perform measurement with a stethoscope.Place the stethoscope and listen while viewing the pressure display of the manometer.Blood pressure may vary widely due to physiological effects.The causes below are possible.Emotional excitement or agitation-Pain due to cuff wrapping-White coat hypertensionCuff size or wrapping method not correctCuff wrapping position on upper arm not at the same height as the heartPatients blood pressure not stable due to pulsus alternans, respiratory changes, or other reasonIncorrect cuff size used.Measure circumference or patients arm and ensurecorrect sized cuff is used.Cuff wrapped over thick clothing.Ensure cuff is applied to a bare arm, or very thin clothing.Patient not seated properly.Ensure patient is seated, feet flat on the floor, cuff atheart level.Ensure before measurement taken, patient has notPatient ate, drank, or exerted themselves recently,had food, caffeinated or alcohol beverages, orexerted/exercised in the last 30 minutes.OMRON will not bear any responsibilities on the following matters.1.When a problem or damage occurs caused by the maintenance and/or repair conducted by a person other than OMRON or the dealer specified by OMRON.2.The problem or damage of OMRON product caused by the product of other manufacturer not delivered by OMRON.3.The problem and damage caused by the maintenance and/or repair using the repair parts not specified by OMRON.4.The problem and damage caused by the results not observing the Notes on Safety or the operational method mentioned in this Instruction Manual.5.Under the circumstances not within the operating conditions of this unit including the power source or the setting environment mentioned in this Instruction Manual.6.The problem and damage caused by the result(s) of remodeling or improper repair of this product.7.The problem and damage caused by act of god such as fire, earthquake, flood, or lightning!1.The contents of this Instruction Manual may be changed without prior notice.2.We have thoroughly reviewed the contents of this Instruction Manual. However, if an inadequate description or error is found, please let us know.3.It is prohibited to copy a part of or the entire Instruction Manual without getting OMRON's permission. Unless this Instruction Manual is used by an individual (company), it cannot be used without getting OMRON's permission from the standpoint of the Copyright Law.Inflation error Confirm that the air tube connecting the cuff and When the pressure does not exceed 12the main unit is connected securely mmHg within the set time after the start ofinflation Confirm that the air flow in the air tube When the set time expires, the cuff pressure does not reach the setconnecting the cuff and the main unit isn't cuff pressure within the specified timebeing restricted,after the start of inflation Confirm that the cuff is wrapped correctly (referDeflation error to pages 14 and 15). When the deflation speed is too fast duringthe measurement Check bladder for leaks and, if necessary, When the deflation speed is too slowreplace the bladder with new one (option) during the measurementWhen the measurement does not finish within the specified time after starting the measurementOverpressure error Confirm that air flow in the air tube connecting The cuff pressure exceeded 299 mmHg,the cuff and the main unit isn't being restricted.Insufficient inflation error If the measurement is made by setting the P-SET Blood pressure could not be measuredto "AUTO", ask the patient not to move duringdue to insufficient inflation level.the inflation. Confirm that the P-SET is securely set to"AUTO". Turn the Knob counterclockwise as faras it goes until you can hear a click sound. If the measurement is made by manual inflationlevel setting, set the value to 30 to 40 mmHgHigher.Indeterminable blood pressure error Blood pressure could not be measured Confirm that the cuff is wrapped correctly (refereto pages 14 and 15).specified pressure.Low pulse level error Pulse wave was too small. Confirm that the cuff is wrapped correctly (refereto pages 14 and 15).Blood pressure error Relationship between systolic and diastolic pressure Ask the patient not to move during the measure-tolic pressures was abnormal.ment.Pulse rate error Check the patient for arrhythmia. Pulse rate did not stay within the range of30 to 199 beats/min.Device error Contact Omrons repair department toll-free at Main unit malfunction.(1-877-216-1336).If the unit malfunctions during use, please check the following:is the cuff wrapped correctly?measure again.(Refer to Page 14 and 15.)Is the patient moving duringAsk the patient not to moveThe unit inflates toduring measurement, andinflation?abnormally high (low)measure again.pressure.Set the P-SET to 30 to 40 mmHgDoes this patient have arrhythmia/higher than estimated systolicpressure of the patient, thenmeasure. After checking the patient withCheck the patient's condition, the stethoscope refer to the "listof error codes" (Refer to Page 28.)Is the patient moving during theAsk the patient not to moveDuring measurement, andmeasurement?measure again.The monitor cannotSet the P-SET to 30 to 40 mmHgmeasure bloodDoes the patient have anhigher than estimated systolicpressure, arrhythmia?pressure of the patient, thenMeasured values aremeasure abnormally high (low).Is the size of the cuff correct andSelect the cuff according to thepatient's arm circumference, wraps it wrapped correctly?If correctly, then measure again.(Refer to Pages 14 and 15.)Keep the level of the brachium to the level of the brachium to which the cuff is wrapped at the which the cuff is wrapped at the same level as the heart, thenmeasure again.Are the patients clothes restricting?Remove the clothing andnormal blood flow to the arm?measure again.IntroductionIntended useExemptions1Notes on Safety2Warnings and Cautions3Using the UnitComponents of the Product1Options1Features / Functions of Unit12Installing the Battery Pack14Connecting the AC Adapter15System SettingsMenu Mode16Utility Mode17Non-Invasive Blood Pressure (NIBP) MeasurementNon-Invasive Pressure Measurement Principles18Cuff Selection and Connection19Applying the Cuff to the Patient20Taking the Measurement in Manual Mode21Taking the Measurement in Auscultation Mode22Stopping the Measurement23Displaying Last Reading23MaintenanceMaintenance Inspection and Safety Management24Cleaning of the Device24Accessory Care24Check before Use25Troubleshooting26List of Error Codes28Disposal29SpecificationsFactory Default Settings30Technical Specifications: HBP-130030Manufacturers Declaration33(within the scope of EC Medical Device Directive 93/42/EEC)GS CUFF XLHXA-GCUFF-XLB (9065802-0)GS CUFF SSHXA-GCUFF-SSLB (9065801-2)GS CUFF LHX-GCUFF-LB (9065798-9)CUFF HOSE No.1 (3.5m)HBP-CUFFH-BL U35 (9968171-8)GS CUFF MHXA-GCUFF-MLB (9065799-7)CUFF HOSE No.2 (1.5m)HBP-CUFFH-BL U15 (9968172-6)HXA-GCUFF-SLB (9065800-4)AC adapter*AC ADAPTER-E1600 (9963658-2)*UK plug typeAC ADAPTER-UK1600 (9994843-9) CautionOnly OMRON GS CUFF can be used with this device.Feature of the ProductThe OMRON HBP-1300 is an affordable professional blood pressure unit that is clinically proven accurate and provides fast, reliable results and is easy to use.Key features, benefits, look5 cuffs available - (SS: 12 to 18 cm, S: 17 to 22 cm, M: 22 to 32 cm, L: 32 to 42 cm, XL: 42 to 50 cm) (12 to 50 cm arm circumference)Measurements can be used on a tableMotion stop function (When body movement is detected, the device stops deflation for 5 seconds.)Irregular pulse Indicator - Helps identify changes in heart rate, rhythm, or pulse which may be caused by heart disease or other serious health issues.Inflation Pressure Setting - 4 options: Auto, 220 mmHg, 250 mmHg, 280 mmHgLast reading display functionAuto-OffCustom Rechargeable batteryLarge, easy-to-read backlight displayPage 2Before using the unit, make sure that no accessories are missing and that the unit and accessories are not damaged. If an accessory is missing or there is damage, please contact OMRON HEALTHCARE.Main unitStandard Medical AccessoriesGS CUFF L (32 - 42 cm)/M (22 - 32 cm)AC adapterOthersBattery packInstruction Manual (this paper)OptionsOptional AccessoryBattery packHXA-BAT-2000 (9065797-0)The alarm lamp flashes when a medium-priority alarm occurs, and lights steadily when a low-priority alarm occurs.To clear an alarm, press any button.If a low-priority alarm and a medium-priority alarm occur at the same time, the medium-priority alarm is displayed.If the alarms are the same priority level, the error code of the alarm that occurred first is displayed. However, to prevent battery consumption when powered by battery, a low battery error (E40 error) is always given priority.Example: E2SYSTEMCodeSensor failure-Sensor range not stableOutside of sensor rangePressure gain lower limit value / upper limit valueE9MediumPressure sensor count upper limit / lowerContact OMRON HEALTHCARE Customerlimit errorService.EEPROM failure:Checksum errorRead errorProtect code errorSwitch error: Error in switch on stateNIBPErrorPriorityDescriptionPoints to checkcodeThe cuff tube is not connectedFirmly connect the cuff tube.E1LowAir is leaking from the cuff.Replace with an OMRON GS CUFF thatdoes not leak.Did not inflate properly because the armHave the patient not move the arm or body,or body moved during measurement.andrepeat measurement.Moved body or arm duringHave the patient not talk or move, andmeasurement, or talked.repeat measurement.The cuff is not applied correctly.Correctly apply the cuff.E2LowThe sleeve is rolled up and isRemove the garment and re-wrap the cuff.compressing the arm.The measurement time exceeds theMeasurement time has exceededexpected time, so the measurement wasended in order to avoid patient discomfort.specified time. There is a possibility that measurement isSpecified time: 165 secondsbeing repeated over and over due to airleaking from the cuff.Factory default settings and backup are as shown below.Backup: Setting is retained even if the power is interrupted.- Reverts to factory default setting if the power is turned off.Initial Inflation Pressure ValueAuto, 220, 250, 280AUTOAuscultation ModeON, OFFOFFAuto Power Off5 min, 10 min5 minMeasurement ParameterDimensionMain unit: 123 x 201 x 99 (mm) 4.84 x 7.91 x 3.90 (inch) (W x H x D)AC adapter: 46 x 66 x 37 (mm) 1.81 x 2.60 x 1.46 (inch) (W x H x D)Battery: 54 x 43.5 x 15.4 (mm) 2.13 x 1.71 x 0.61 (inch) (W x H x D)WeightMain unit: Approx. 0.52 kg (not including accessories and options)AC adapter: Approx. 0.2 kgBattery: Approx. 0.1 kgDisplay / segment LCDProtection ClassClass II (AC Adapter)Internal powered equipment (when operating with battery only)Degree of ProtectionType BFMD ClassificationClass II aAC adapterInput voltage range: AC 100 V to 240 VFrequency: 50/60 HzOutput voltage range: DC 6 V 5%Rated output current: 1.6 ARechargeable batteryType: 3.6 V, 1900 mAhNumber of operation cycles when fully charged: 300Measurement conditionsNew battery fully chargedAmbient temperature of 23C (73.4F)Using M-size cuffsSYS 120 / DIA 80 / PR 60 (Inflation setting: AUTO)One 5-minute cycle consisting of cuff measurement time + wait time WarningWhen cleaning the unit, turn off the power and disconnect the AC adapter from the unit.After cleaning the unit, make sure it is completely dry before connecting to a power outlet.Do not spray, pour, or spill liquids into or onto the unit, accessories, connectors, buttons, or openings in the housing. CautionDo not use thinner, benzene, or other solvents to clean the unit.Do not sterilize by autoclave or gas sterilization (EOG, formaldehyde gas, high-concentration ozone, etc.).If using an antiseptic solution for cleaning, follow the instructions of the manufacturer.Clean the unit regularly.Maintenance and inspection WarningTo use the unit safely and correctly always inspect the unit when starting work.Unauthorized modification is prohibited by law. Do not attempt to disassemble or modify the unit.ChargingThe icon flashes, Fully chargedThe icon is lit.(Charging completed)Problem with theError message is displayed.-batteryFully chargedThe icon is lit.The unit can be used.Battery level is 20%.The icon flashes (E40 error not displayed).The unit can be used.The icon flashes (E40 error not displayed).The unit cannot be used.-Battery level is 5%.If the unit is being continuously used, the power will automatically turned off in 30 seconds.Verify that the power outlet supplies the specified voltage and frequency (100 - 240 V AC, 50/60 Hz).Connect the AC adapter to the DC jack on the unit and the power outlet.Note:When the battery pack is installedIf there is no problem with the following-AC adapter-DC jack-Power outlet-BatteryAnd the icon does not flash, contact OMRON HEALTHCARE.If you are using an Omron blood pressure monitor then you must know about the error codes that might show up on your Omron blood pressure monitor and the reasons why they occur and the possible solutions to the error codes that appear on your device monitor. In this article, we have discussed the Omron blood pressure monitor error codes, the reason and the solution of those error codes. Also read: Traeger error codes explained Below we have discussed the error codes and their reason and the solution for those errors in the Omron blood pressure monitor. Error CodesReasonSolutionEr1 or E1It is an inflation error and is shown on the device monitor when the air plug is disconnected or the arm cuff is not applied properly or air is leaking from the arm cuff.Make sure the air plug is connected properly to the device and check the airflow from the air tube connected to the device is proper. Check the arm cuff for any air leakage and make sure to apply the arm cuff properly.Er2 or E2It is a deflation error and is shown on the device monitor when the air cuff is over-inflated or under-inflated. Make sure the air plug is connected properly to the device and check the airflow from the air tube connected to the device is proper. Er3 or E3It is an overpressure error and is shown on the device monitor when the cuff pressure goes above 299 mmHg. Check the airflow from the air tube connected to the device is proper.Er4 or E4It is shown on the device monitor when the device is unable to take the blood pressure measurement due to movement during measurement.D0 the measurement again and try not to move during the measurement.Er5 or E5It is shown by the device when there is interference by any clothing with the arm cuff.Remove any clothing that you think might be interfering with the arm cuff.The device monitor shows a battery sign with a cross mark.It is shown by the device monitor when the batteries are worn.Replace the batteries of the device.The blood pressure measurements came too high or too low.It is shown by the device monitor when there is an error in taking measurements or due to other factors.Sometimes it is normal when the blood pressure goes high or low as it might fluctuate because of stress and the time of the day. If the fluctuations are above or below the range your doctor said is normal then you must contact your doctor.The device monitor is blank.The device is blank when either the power is off or the batteries of the device are dead.If you dont see anything on the device monitor then make sure that the device is on and check whether the batteries are installed properly or not. Replace the batteries if necessary. If you are unable to resolve the errors with your Omron blood pressure device monitor then you must contact Omron customer support. Phone No. (866) 216 1333 Also read: Spectrum error codes explained Error Code Electronic Products Are you having the error code E1 with Omron BP Monitor? If yes then in this post we are going to share the possible workaround to deal with this error. There are two main reasons behind the Omron BP (Blood Pressure) Monitor Error Code E1. The Weather Air plug is not connected or the air is leaking from the Arm Cuff. How To Fix Omron BP (Blood Pressure) Monitor Error Code E1? If the Air plug is not connected then you may get this error, so check the Air Plus connection and then check if you still have the error. If it's not the Air Plug then it's possible that the air is leaking from the arm Cuff. So try taking another measurement and make sure to remain still until the measurement completes. Like This Post? Checkout More Omron blood pressure monitors are popular for their accuracy and ease of use. But, like any device, they can sometimes give issues. Do you own an Omron blood pressure monitor and face some troubles? Dont worry; you are not alone. Many users experience minor problems with these devices. This blog post will help you troubleshoot common issues quickly. Whether your monitor is giving incorrect readings, showing error messages, or not turning on, we will guide you step-by-step.Understanding how to fix these problems yourself can save you time and frustration. Read on to learn simple solutions and get your Omron blood pressure monitor back to working perfectly.Omron Blood Pressure Monitor TroubleshootingCredit: m.youtube.comOmron blood pressure monitors are reliable devices. But, like all electronics, they may face issues. Understanding common problems helps in quick troubleshooting.This section covers frequent issues users encounter.If your Omron blood pressure monitor isnt turning on, check the power source first. Ensure the batteries are correctly inserted. Replace old batteries with new ones. Use the correct type as specified in the manual.Next, inspect the battery contacts. They should be clean and free from corrosion. If dirty, gently clean them with a dry cloth. If using an AC adapter, confirm its properly connected to both the device and the power outlet.If the device still wont turn on, try resetting it. Consult the manual for reset instructions. If none of these steps work, consider contacting Omron customer support for further assistance.Inaccurate readings can be frustrating. Ensure the cuff is placed correctly. It should be snug but not too tight. Position the cuff on your upper arm, about an inch above your elbow.Rest for at least five minutes before taking a reading. Sit comfortably with your back supported. Place your feet flat on the floor. Keep your arm at heart level during measurement.Verify the device is calibrated properly. Check the manual for calibration procedures. If you suspect the monitor is faulty, contact Omron support for advice.Common IssuesPossible SolutionsDevice Not Turning OnCheck batteries, clean contacts, reset device.Inaccurate ReadingsCorrect cuff placement, proper posture, calibration follow manufacturer instructions.Problem with BluetoothPairing correctly, ensure device is in range, restart pairing process.Problem with AppDownload the latest app, ensure correct permissions, restart app, clear app cache.Problem with Data SyncEnsure correct permissions, restart sync process, check internet connection.Problem with PowerOn/OffCheck battery level, ensure proper connection, reset device.Problem with Error MessagesRead the manual, ensure correct usage, contact support if needed.Problem with CuffFit the cuff correctly, ensure it is the right size for your arm, check for obstructions.Problem with Inflation/DeflationWait for full inflation, check for leaks, ensure proper connection, check for obstructions.Problem with DisplayCheck battery level, ensure proper connection, reset device.Problem with SoundCheck volume settings, ensure speaker is not blocked, reset device.Problem with CalibrationPerform calibration routine, check manual for instructions.Problem with AccuracyEnsure proper posture, avoid movement during measurement, use correct cuff size.Problem with PortabilityEnsure proper storage, use carrying case, avoid extreme temperatures and humidity.Problem with DurabilityAvoid contact with liquids, use soft cloth for cleaning, store in a cool, dry place, avoid extreme temperatures and humidity.Problem with AccessoriesEnsure proper use, read manual, contact support if needed.Problem with FirmwareUpdate firmware if available, contact support if needed.Problem with Customer SupportContact Omron support, visit Omron website, check Omron community forum, contact local Omron representative.Problem with WarrantyRead the warranty terms, contact Omron support, provide proof of purchase, contact local Omron representative.Problem with Return/RefundRead the return policy, contact Omron support, provide proof of purchase, contact local Omron representative.Problem with ReplacementContact Omron support, provide proof of purchase, contact local Omron representative.Problem with RepairContact Omron support, provide proof of purchase, contact local Omron representative.Problem with DisposalContact Omron support, follow local disposal regulations, contact local recycling center, contact local hazardous waste disposal facility.Problem with RecyclingContact Omron support, follow local recycling regulations, contact local recycling center, contact local hazardous waste disposal facility.Problem with EnvironmentAvoid extreme temperatures, avoid direct sunlight, avoid moisture, avoid contact with liquids, avoid