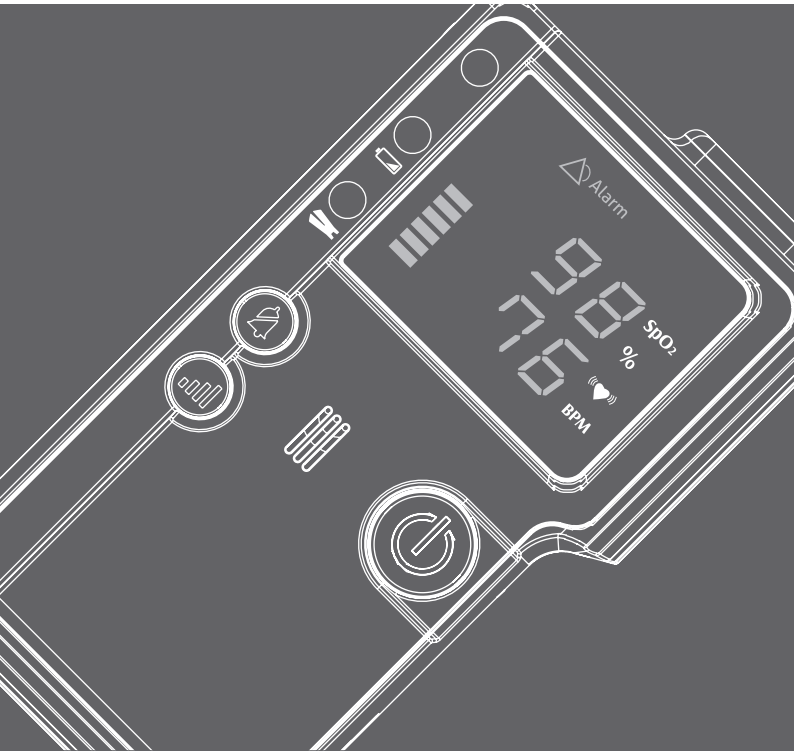
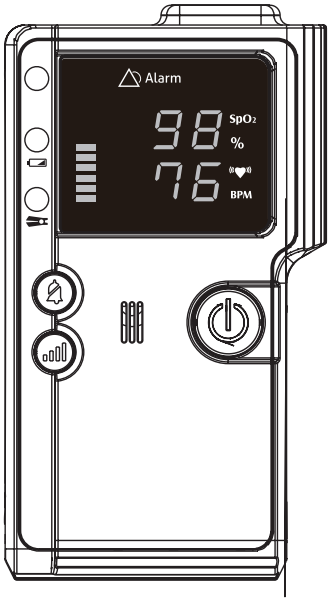
TD-8201

VTRUST Handheld Pulse Oximeter



Owner's Manual

VTRUST Handheld Pulse Oximeter



Owner's Manual

Ver 1.0 2019/11
311-8201200-001

About the Manual

The precautions, warnings and notes throughout this manual are very important. Please read this entire manual carefully before using the VTRUST Handheld Pulse Oximeter.

The information in the manual has been carefully checked and is believed to be accurate.

Table of Content

SAFETY INFORMATION

Warning

- Federal law (USA) restricts this device to sale by or on the order of a physician.
- Do not use the oximeter in an MRI (Magnetic Resonance Imaging) environment.
- The use of accessories, probes, and cables other than those listed in this manual may result in increased emission and/or decreased immunity of the device.
- The oximeter is intended only as an adjunct in subject assessment. It must be used in conjugation with other methods of assessing clinical signs and symptoms.
- Explosion Hazard: Do not use the oximeter in an explosive atmosphere.
- If subjects' monitoring sites have trauma, disability or other medical status that make inaccurate results, operators should consult doctors before use.
- Use probe manufactured by manufacturer. Using other manufacturers' probes may cause improper oximeter performance. Also, do not use a damaged probe. Please see the specified probe information in specification table.
- When a system fault occurs, the subject will no longer be monitored.
- The oximeter has to measure the pulse properly to obtain accurate SpO_2 measurement. Blood flow restrictors (e.g., blood pressure cuffs) may hinder pulse measurements. Remove any objects that may hinder the performance of the oximeter.
- Do not try to modify the device to prevent any dangers.
- Do not use the oximeter on subjects other than adults.

Cautions

- The oximeter is not an apnea monitor.
- The oximeter determines the percentage of arterial oxygen saturation of functional hemoglobin. Significant levels of dysfunctional hemoglobin such as carboxyhemoglobin or methemoglobin may affect the accuracy of the measurement.
- The oximeter requires the user to perform a calibration to a known standard before reliable clinical results are possible. Generally, this involves a “zero calibration” and a “gain calibration.” Pulse oximeters do not require a zero calibration because the design incorporates continuous automatic zero calibration. Gain calibration is not required because the measurement technique does not require gain accuracy. A brief review of pulse oximetry theory shows why this is possible. Laboratory co-oximeters determine the %HbO2 (%SaO2) by measuring the amount a specific frequency of light is absorbed as it passes through a known volume of blood. In contrast, pulse oximetry (SpO_2) measures the change in light absorbed at systole and diastole. This allows the pulse oximeter to distinguish between the constant amount of light absorbed by the tissue, bone, venous blood, etc. from the arterial blood (the blood in the volume change due to the pulse). The absorbance of this volume of the arterial blood is calculated from the ratio of light measured at systole to that measured at diastole. Since the same gain is used for both light measurements, the amount of gain is mathematically cancelled by taking the ratio. This means that gain accuracy is not required to compute the absorbance of the arterial blood pulse, so that gain calibration is not required. The pulse oximeter completes the measurement of SpO_2 by using the absorbance to two light frequencies (red and IR) to automatically correct for the unknown volume of blood for each pulse. It is the ratio of the two absorbencies that indicates the $\%SpO_2$. Because this is not a linear relationship, the absorbance ratios are used to select the specific SpO_2 from the monitor’s “look up table.” The “look up table” is essentially a build-in standardization curve that was developed empirically by simultaneous measurement of %HbO2 and the light absorbencies. The usual reason for calibrating an instrument is to correct for changes in the sensor, electronic circuitry or the patient. Since the pulse oximeter eliminates zero calibration electronically and ignores gain variations mathematically, no calibration, beyond the manufacturer’s “calibration” of the look up table is required.

Cautions

- Cardiogreen and intravascular dyes, depending on the concentration, may affect the accuracy of SpO_2 measurements.
- The performance of the oximeter might be affected by the presence of a defibrillator.
- The oximeter may not work on all subjects. If you are unable to achieve stable readings, discontinue use.
- The oximeter has monition tolerant software that minimizes the likelihood of motion artifact being misinterpreted as good pulse quality. In some circumstances, however, the oximeter may still interpret motion as good pulse quality. Minimize subject motion as much as possible.
- Verify that all visible indicators illuminate during the startup (initialization) sequence, if any indicator is not lit do not use the oximeter. Please contact your agent for help.
- Do not immerse the oximeter or probes in liquid to clean, and also do not expose them to excessive moisture or liquids.
- Do not use caustic or abrasive cleaning agents on the oximeter or probes.
- Do not mix new and old batteries at the same time. It may cause the batteries to leak. Disposed of batteries properly.
- Batteries might leak chemicals if unused for a long period of time. Remove the batteries if the oximeter is going to be stored for more than one month.
- Batteries may leak or explode if used or disposed of improperly.
- The oximeter is a precision electronic instrument and must be repaired by trained personnel only.
- Follow local governing ordinances and recycling instructions regards disposal or recycling of the device and device components.
- The misapplication of a probe with excessive pressure for prolonged periods may cause pressure injury.

INTRODUCTION

►Intended for Use

The VTRUST Handheld Pulse Oximeter is indicated for use in measuring and displaying oxygen saturation of arterial hemoglobin (SpO_2) and pulse rate for adults. It is intended for patients during no-motion condition, and for subjects who are well perfused. The oximeter is suitable for use in hospital, clinical sites. This device is indicated for non-invasive spot checking or continuous monitoring.

►General Description

The oximeter is a digital handheld that displays numerical values for blood oxygen saturation. It provides visual alarm for medium priority conditions. The range of the peak wavelengths and maximum optical output power of the light emitted by the oximeter probe and the reading result can be especially useful to clinicians.

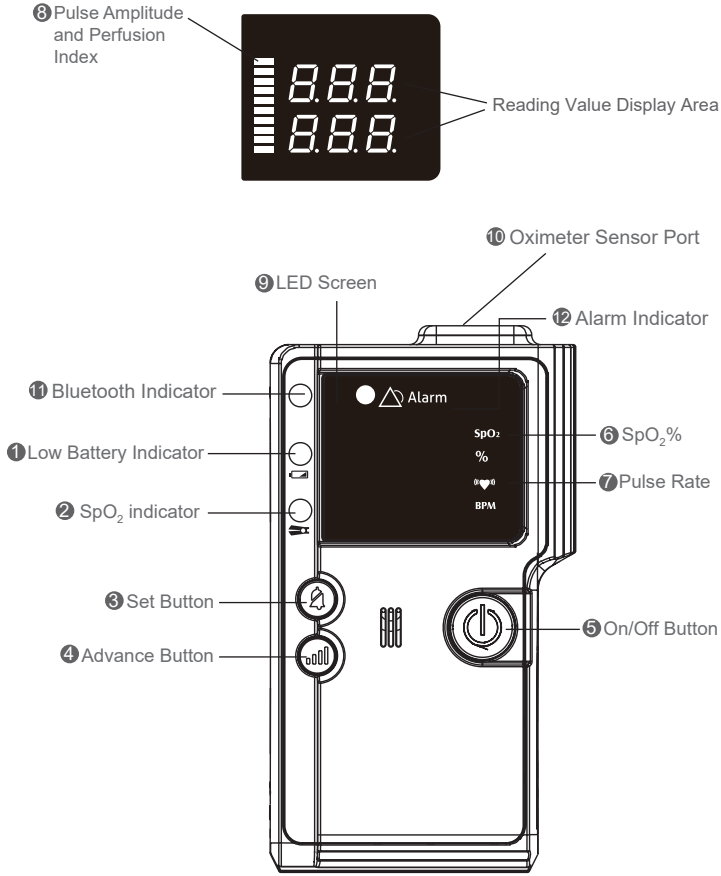
The oximeter with reusable SpO_2 probe accessories operates on battery power for up to 24 hours. The oximeter requires no routine calibration or maintenance other than replacement of alkaline batteries. When the batteries are low, the indicator will blink to warn users to replace the batteries.

It's applied on the patient's fingers to measure SpO_2 and pulse rate.

►Principle of Measurement

The VTRUST Handheld Pulse Oximeter determines functional oxygen saturation of arterial hemoglobin (SpO_2) by measuring the absorption of red and infrared light passing through perfused tissue. Changes in absorption caused by the pulsation of blood in the vascular bed are used to determine oxygen saturation and pulse rate.

►Meter Appearance and Key Function



1. Low Battery Indicator

Red light appears when power is insufficient to the oximeter.

2. SpO_2 Indicator

Orange light appears when probe disconnects from oximeter. Green light appears when finger insert probe sensor from oximeter.

3. Set Button

Is used to set up settings and keep the oximeter silence when it is alarming.

4. Advance Button

Is used to review status.

5. On/Off Button

Is used to turn on or turn off the oximeter by pressing On/Off button.

6. SpO_2 %

The measurement result of oxygen saturation in percentage.

7. Pulse Rate

The measurement result of pulse rate.

8. Pulse Amplitude and Perfusion Index (PI)

Pulse Amplitude – The strength of the signal is detected by the oximeter.

Perfusion Index (PI) – The Perfusion Index indicates the pulse strength on a 10-bar indicator.

9. LED Screen

Display measurement results.

10. Oximeter Sensor Port

Connect the probe and the oximeter.

11. Bluetooth Indicator

Blue light appears when turn on bluetooth.

12. Alarm Indicator

Red light appears when oxygen saturation value upper or below the setting ranges.

►Content of the System

The VTRUST Handheld Pulse Oximeter includes the following items:

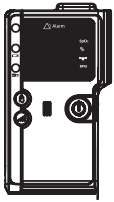
A. Handheld Pulse Oximeter

B. Owner's Manual x 1

C. Probe

D. Warranty Card

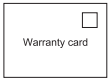
A



B

C

D



Confirm that the items listed are packed with the VTRUST Handheld Pulse Oximeter. If any item on this list is missing or damaged, contact your distributor.

All of the system with accessories is provided non-sterile.

BEFORE USE

Low battery capacity is indicated with a flashing Red light. We recommend that you replace the new batteries if the low battery indicator turns Red.

►Battery Replacement

Make sure the oximeter is switched off when replacing the batteries.

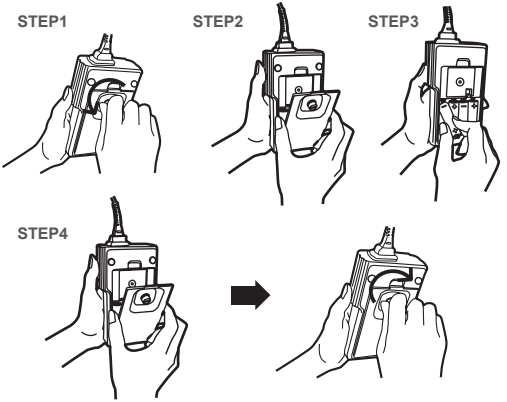
The oximeter is powered by 4 AA alkaline batteries. Replace new batteries by the following steps.

STEP1. Loosen the screw at the back of the oximeter and remove the battery cover.

STEP2. Remove the old batteries from battery compartment.

STEP3. Insert four new AA alkaline batteries. Correctly align the polarities (+ and -) with battery indication marks on the oximeter.

STEP4. Replace the battery cover and tighten the screw.



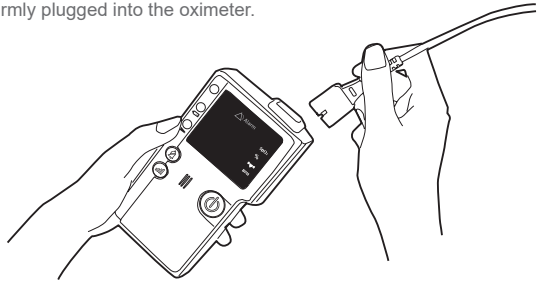
CAUTION!

1.Use only 1.5 AA new batteries with this device. Replace the batteries as soon as possible after a low battery indicator appears.

2.If the oximeter does not work after installed the batteries. Reinstall the batteries.

►Connecting the Probe

Connect the probe to the top of the oximeter as shown below. Make sure that the probe is firmly plugged into the oximeter.



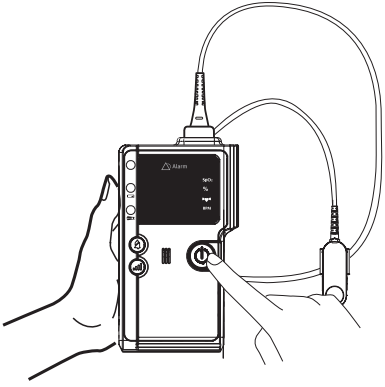
NOTE

Please make sure to connect the probe properly. If not, the SpO_2 indicator will light up with reminding voice while the probe fell off.

►Power On/Off

• **Turn on** the oximeter by pressing and releasing the ⏻ button.

• **Turn off** the oximeter by pressing and holding the ⏻ button for about 3 seconds.

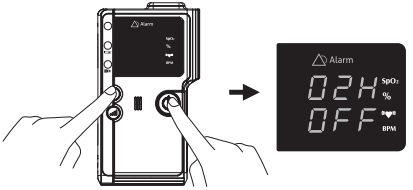


►Set up the Oximeter

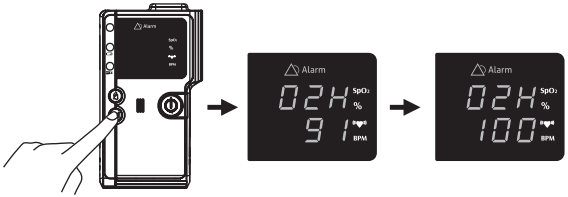
Your oximeter comes with the alarm function including the upper/lower limit of SpO_2 and heart rate, and the brightness of LED backlight preset. If you need to set these parameters, please follow below steps.

Start with the oximeter is off.

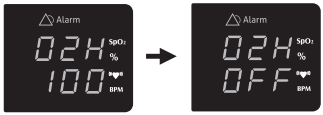
STEP 1. Press and hold (alarm) button first and then press (power) button to enter setting mode. The first screen shows SpO_2 upper limit settings. The factory default is off.



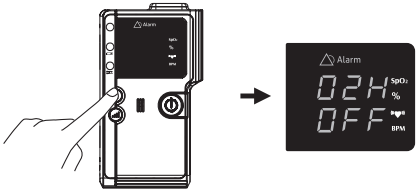
STEP 2. Press (signal) button to change settings. You can press (signal) button to increase the number from **91% to 100%**.



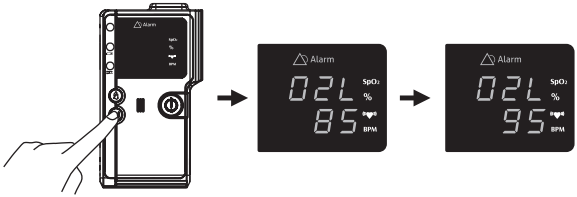
When the setting value goes to the upper limit, press (alarm) button again and the screen will turn back “OFF” setting.



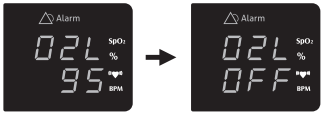
STEP 3. When the desired setting is displayed on the screen, press button to enter SpO_2 lower limit setting. The factory default is off.



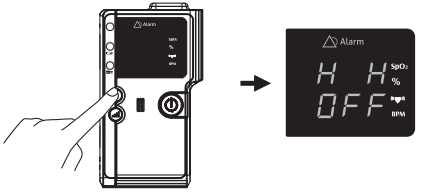
STEP 4. Press button to change settings. You can press button to increase the number from **85% to 95%**.



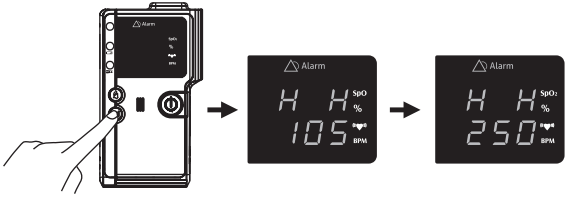
When the setting value goes to the upper limit, press button again and the screen will turn back “OFF” setting.



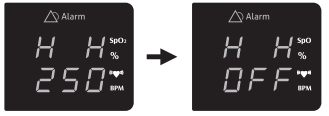
STEP 5. When the desired setting is displayed on the screen, press button to enter heart rate upper limit setting. The factory default is off.



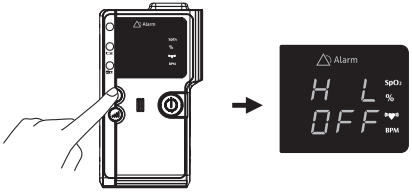
STEP 6. Press button to change settings. You can press button to increase the number from **105 BPM to 250 BPM**.



When the setting value goes to the upper limit, press button again and the screen will turn back “OFF” setting.



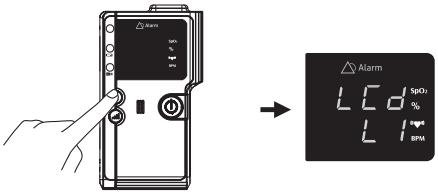
STEP 7. When the desired setting is displayed on the screen, press (Alarm) button to enter heart rate lower limit setting. The factory default is off.



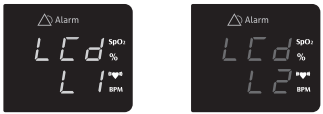
STEP 8. Press (Power) button to change settings. You can press (Power) button to increase the number from **50 BPM to 110 BPM**.

When the setting value goes to the upper limit, press (Alarm) button again and the screen will turn back “OFF” setting.

STEP 9. When the desired setting is displayed on the screen, press button to enter LED backlight setting mode.



STEP 10. Press button to change settings. **L1 setting is brighter than L2 setting**. Press button to turn off the oximeter.



STEP 11. Press to change settings. Press button to turn on/off Bluetooth.

Setting Table

Item	Default	Adjustment Options	Increments
SpO_2 High	Off	Off, 91-100	1%
SpO_2 Low	Off	Off, 85-95	1%
Pulse Rate High	Off	Off, 105-250	5 BPM
Pulse Rate Low	Off	Off, 50-110	5 BPM
Brightness	L1	L1 and L2	N/A
Bluetooth	On	Off and On	N/A

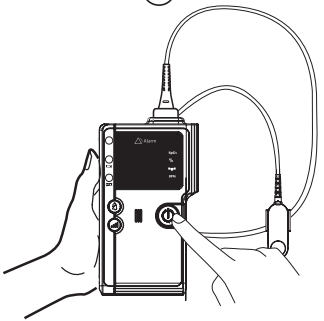
►Power On Self-Test

When the oximeter is turned on for normal operation, the unit will check if the oximeter is ready for use. If probe does not connect to oximeter, the SpO_2 indicator will appear orange light. If probe does not touch the subject's measurement site or the signal is unstable, the SpO_2 indicator will turn orange light.

OPERATION

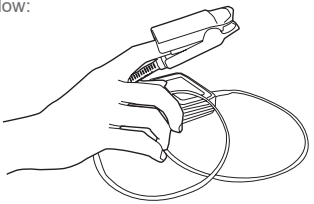
All functions of the oximeter are controlled by and buttons found on the front of the unit.

STEP 1. Turn on the oximeter by press Button.



The LED Screen shows as above to indicate the oximeter is ready to use.

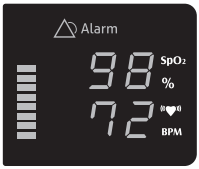
STEP 2. Clip subject's finger as below:



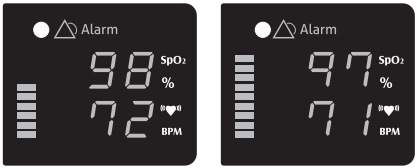
CAUTION!

1. Consult health professional before you start to use the oximeter.
2. If the PI reading is of two bars or less, the PI might be too low for a reliable SpO2 reading. Warm or rub the finger to increase circulation or reposition the sensor.
3. Prolonged use or the patient's condition may require changing the measurement site periodically. Change measurement site and check skin integrity, circulatory status, and correct alignent at least every 4 hours.
4. If the meter is idle for 3 minutes during the measurement mode, it will switch off automatically

STEP 3. After detecting the pulse signal, the oximeter shows the readings of SpO_2 and pulse rate on LED.



STEP 4. The alarm indicator will light up if the readings out of the limit setting.



► **SpO_2 Symbol (%SpO_2)**
The SpO_2 symbol shows the current oxygen saturation in percentage .

► **Pulse Rate Symbol ("♥")**
The pulse rate symbol shows pulse rate in beats per minute.

► **Pulse Amplitude and Perfusion Index (PI)**
Pulse Amplitude – The strength of the signal is detected by the oximeter.
Perfusion Index (PI) – The Perfusion Index indicates the percentage of pulsatile signal to non-pulsatile signal (pulse strength) on a 10-bar indicator.

► **Visual Alarm**
The alarm turns off unless the alarm function is cancelled or the status is normal. To turn off alarm, please refer to "Set up the Oximeter" section for details.

Adjusting alarm settings is only possible when the oximeter is in setting mode. For every power on in which alarm settings have not been recalled or adjusted in Setup mode, the default alarm settings remain in effect.

Refer to the table below for detailed information about alarm conditions, activation criteria.

Condition	Alarm Activation Criteria
SpO_2 High	Activates when displayed SpO_2 is equal to or greater than the SpO_2 upper limit setting.
SpO_2 Low	Activates when displayed SpO_2 is equal to or less than the SpO_2 lower limit setting.
Pulse Rate High	Activates when the displayed pulse rate is equal to or greater than the pulse rate upper limit setting.
Pulse Rate Low	Activates when the displayed pulse rate is equal to or less than the pulse rate lower limit setting.

Response for the operator after the most Alarm is Triggered
High priority alarm
The operator should stop his/her task at hand immediately and describe the cause of the alarm status.

Alarm Message List (alarm light is red)

	Alarm	Priority	Description
Pulse Rate	visual alarm	High	The pulse rate value is lower/higher than the value set in the menu.
SpO_2	visual alarm	High	The SpO2 value is lower/higher than the value set in the menu.

Information Signal List

	Information signal	Description
SpO_2 Probe OFF	Warning Tone	The connection of probe is not connected well.
Low Battery	Warning Tone	The batteries are low.
Improper Insertion of Patient's Finger	Warning Tone	The patient's finger is not inserted well.

Information Signal List

	Information signal	Description	Signal light
SpO_2 Probe OFF	Warning Tone	The connection of probe is not connected well.	Orange
Low Battery	Warning Tone	The batteries are low.	Red
Improper Insertion of Patient's Finger	Warning Tone	The patient's finger is not inserted well.	Orange

Below is the description of the effect on displayed and transmitted SpO_2 and pulse rate data values by:

- data averaging and other signal processing for 8 seconds,
- the data update period for 1 second,
- the alarm condition delay for 1 second,
- alarm signal generation delay for 1 second

including the effects of any selectable operating mode that affects these properties.

BLUETOOTH PAIRING

Data Transmission Via Bluetooth

You can transmit your data from the meter to your device via Bluetooth. Please contact your local customer service or place of purchase for assistance. Please note that you must complete the pairing between meter and Bluetooth receiver before transmitting data.

Pairing with your mobile device

1. Turn on the Bluetooth function on your mobile device.
2. With the meter off, press the On/Off button to turn Bluetooth on.
3. Follow the instruction of your app to pair the device. (Ex. Search to find the meter and then add it into app.)
4. After successfully pairing the app with the device, the Bluetooth function of meter shall be on before transmitting the data to your app.

Bluetooth Indicator on the Blood Glucose Meter:

BLUETOOTH INDICATOR	STATUS
Flashing Blue	The Bluetooth function is on and waiting for connection.
Solid Blue	The Bluetooth connection is established.

NOTE

- Make sure your device supports Bluetooth Smart Technology. Also make sure the Bluetooth setting on your device is turned on and the meter is within the receiving range before transmitting the data. Please find OS version requirement on App Store or Google Play when you download the app.
- The Bluetooth functionality is implemented in different ways by the various mobile device manufacturers; the compatibility issue between your mobile device and the meter maybe occur.
- While the data transmission is interrupted, turn off the device, review the instructions and repeat the software connecting procedure.

MOBILE PHONE COMPATIBILITY ISSUES

The Bluetooth functionality is implemented in different ways by the various mobile phone manufacturers.

Unfortunately, in some mobile phone models, even with Bluetooth functionality, they may be compatible only with certain types of devices. If a problem occurs in the connection between your mobile phone and oximeter, or if you are uncertain regarding your mobile phone's Bluetooth capabilities, please consult your mobile phone manual or contact your local customer service for assistance.

WARNING:

- Make sure your device has the Bluetooth function turned on and the meter is within the receiving range before transmitting the data.

CLEANING THE OXIMETER

Cleaning oximeter is just as important as proper use. For surface-cleaning and disinfecting the oximeter and reusable SpO_2 probes we recommend the following procedures:

► Turn off the oximeter before cleaning.

► Wipe exposed surfaces with a soft or a pad moistened with a mild detergent solution or medical alcohol (70% isopropyl alcohol solution).

► Clean your oximeter whenever you see any type of soil, dirt or obstruction in it.

► Ensure that no dirt or blood is on the optical components.

► SpO_2 probes can be cleaned and disinfected with same solutions. Let the probe dry before using it again. The rubber inside of the SpO_2 probe belongs to medical rubber, which has no toxin and no harmful to the skin of human being.

► Replace the batteries timely when battery indication is low. Please follow the law of the local government to deal with used batteries.

► Remove the batteries inside the battery cassette if the oximeter will not be operating for a long time.

► It is recommended that the oximeter should be kept in a dry environment anytime. A wet ambient might affect its lifetime and even might damage the oximeter.

► **Caution:** Do not spray, pour, or spill any liquid on the oximeters, their accessories, switches or openings.

CLINICAL PERFORMANCE

Tables below shows ARMS values measured using Solaris finger sensor (model S100A-090103) with VTRUST Handheld Pulse Oximeter in a clinical study. The individual and pooled measured ARMS values in the discrete SpO_2 ranges of all 10 subjects are reported.

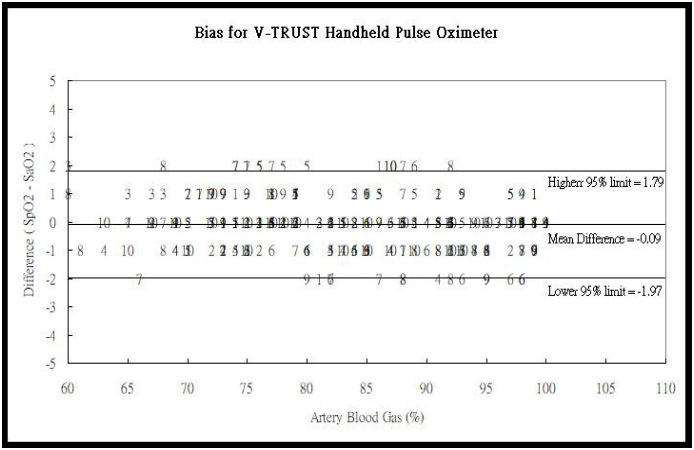
Table 1-a. Individual ARMS in the discrete SpO_2 ranges

Subject	70% - 80% SaO_2		80% - 90% SaO_2		90% - 100% SaO_2	
	Mean Bias	ARMS	Mean Bias	ARMS	Mean Bias	ARMS
1	-0.5	0.91	-0.14	1.25	-0.33	0.82
2	0.38	0.62	-0.25	0.5	0.5	1
3	0	0.71	0.29	0.76	0.14	0.38
4	0.36	0.6	0.6	0.77	0.17	0.62
5	-0.62	1.24	-0.11	0.75	-0.43	0.65
6	0.5	0.71	0.27	1.09	1	1.27
7	-0.79	1.28	0.44	1.33	0.38	0.62
8	-0.5	0.71	0.6	1.61	0.83	1.35
9	-0.83	0.91	0.2	1.18	0.5	1.14
10	0	0.67	0	1.15	0.43	0.65

Table 1-b. Pooled ARMS in the discrete SpO_2 ranges

Pooled	70% - 80% SaO_2	80% - 90% SaO_2	90% - 100% SaO_2
Mean Bias	-0.25	0.19	0.38
ARMS	0.95	1.05	0.93

Figure 1. Plot of difference (SpO_2 – SpO_2) versus artery blood gas (SpO_2) with linear regression fit and upper 95% and lower 95% limits of agreement of all subjects (the test subject number is shown in the plot to identify their test data.)



Reference:
Bland and Altman, Agreement between Methods of Measurement with Multiple Observations per Individual. Journal of Biopharmaceutical Statistics, 2007.

TROUBLESHOOTING

Problem	Possible Cause	Possible Solution
The oximeter won't turn on.	The batteries are out.	Replace all batteries.
	The batteries are installed incorrectly.	Verify correct battery orientations.
A dash appears in the LED.	A probe fault exists. The probe may have become dislodged from the oximeter or from the subjects.	Verify that the probe is correctly connected to the oximeter and the subject. Try a new probe if the condition persists.
The displayed pulse rate does not correlate to the pulse rate displayed on the ECG monitor connects to patient.	Excessive motion at the probe site may be prohibiting the oximeter from acquiring a consistent pulse signal.	Eliminate or reduce the cause of the motion artifact or reposition the probe to a new probe site where motion is not present.
	The subject may have an arrhythmia resulting in some heart beats that do not yield a pulse amplitude signal at the probe site.	Examine the subject: the condition may persist even though both monitors are functioning properly if the subject's arrhythmia persists.
	A non-oximeter probe is being used.	Replace the probe with a oximeter probe.
	The ECG monitor may not be functioning properly.	Examine the subject: replace the ECG monitor or refer to the operator's manual for the ECG monitor.

Problem	Possible Cause	Possible Solution
Segments of the SpO_2 or pulse rate displays are missing.	Defective LED displays.	Displayed values may not be reliable; discontinue use of the oximeter.
Disruption in the oximeter performance.	Electromagnetic interference (EMI).	Remove the oximeter from the EMI environment.
Red light battery indicators appears accompanying the message displayed on LED as shown below: 	The batteries are low.	Replace the batteries.
The message display shown" E01"	Probe fail	Replace the Probe

If you have followed the actions recommended above but the problem keeps unsolved, please contact your local dealer for assistance.

SPECIFICATION

Pulse Oximetry	
Model No.:	TD-8201
Range:	0% to 100%
Resolution:	1%
Accuracy:	70% to 100%: ± 2% <69%: unspecified
Method:	Dual wavelength LED (660nm/905nm)
Neonate mode	Not Available
Heart (pulse) Rate	
Range:	30 to 250bpm
Resolution:	1bpm
Accuracy:	±1bpm or ±1%, whichever is greater. This difference is compared with the reference and then generate it. Heart rate is calculated using the R wave-to-R wave (RR) interval and multiplying/dividing in order to derive heart rate in heartbeats/min.
Displays	
Type:	7-Segment LED
Parameters:	SpO_2; pulse rate; pulse bar
Status:	Indicate a stable reading is taken; Probe fall-off detection indication; Battery status indication
Data	
Memory	Memory for 60 set of SpO_2 and Heart rate reading
Uploading	Instant uploading or to upload after switching off
Keys	
On/Off key	One button
Functional key	Two buttons
Alarm	
Medium Priority Alarm	SpO_2 value is higher/lower than predefined setting, or pulse too high/low
Information Signal	Low battery , improper insertion of patient's finger, or probe fall off

Setting	
SpO_2 high/low value	Alarm level setting
Pulse high/low value	Alarm level setting
Mechanical	
Weight:	With batteries: 265g
Size:	Reference dimension 14cm (H) x 7cm (W) x 3.2cm (D);
Water-resistance	Against water splash
Impact-resistance	Against repeat impact from 1 meter height
Transmission	Bluetooth
Battery	
Type:	4 AA alkaline batteries
Usage life:	Batteries can be used continuously for 24 hours (for reference only, it depends on different brands of AA alkaline batteries)
Environmental	
Operating Condition:	50°F to 104°F (10°C to 40°C), below 95% R.H. (non-condensing)
Meter Storage / Transportation Conditions:	-13ºF to 158ºF (-25 ºC to 70 ºC), below 95% R.H. (non-condensing)
Classification	
Degree of Protection:	Type BF applied part
Mode of operation:	Continuous
Safety:	IEC60601-1
EMC:	IEC60601-1-2
Harmonized standard:	ISO 80601-2-61
Water-resistance:	IPX2
Bluetooth:	EN300 328, EN301 489

FEDERAL COMMUNICATIONS COMMISSION (FCC) STATEMENT

15.21

You are cautioned that changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

15.105(b)

Federal Communications Commission (FCC) Statement

This 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 are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-Reorient or relocate the receiving antenna.

-Increase the separation between the equipment and receiver.

-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1) This device may not cause harmful interference and

2) This device must accept any interference received, including interference that may cause undesired operation of the device.

FCC RF Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

End users must follow the specific operating instructions for satisfying RF exposure compliance.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Distributed by ForaCare, Inc.
893 Patriot Drive Suite D
Moorpark, CA 93021 USA
Products Made in Taiwan
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Read instructions before use.