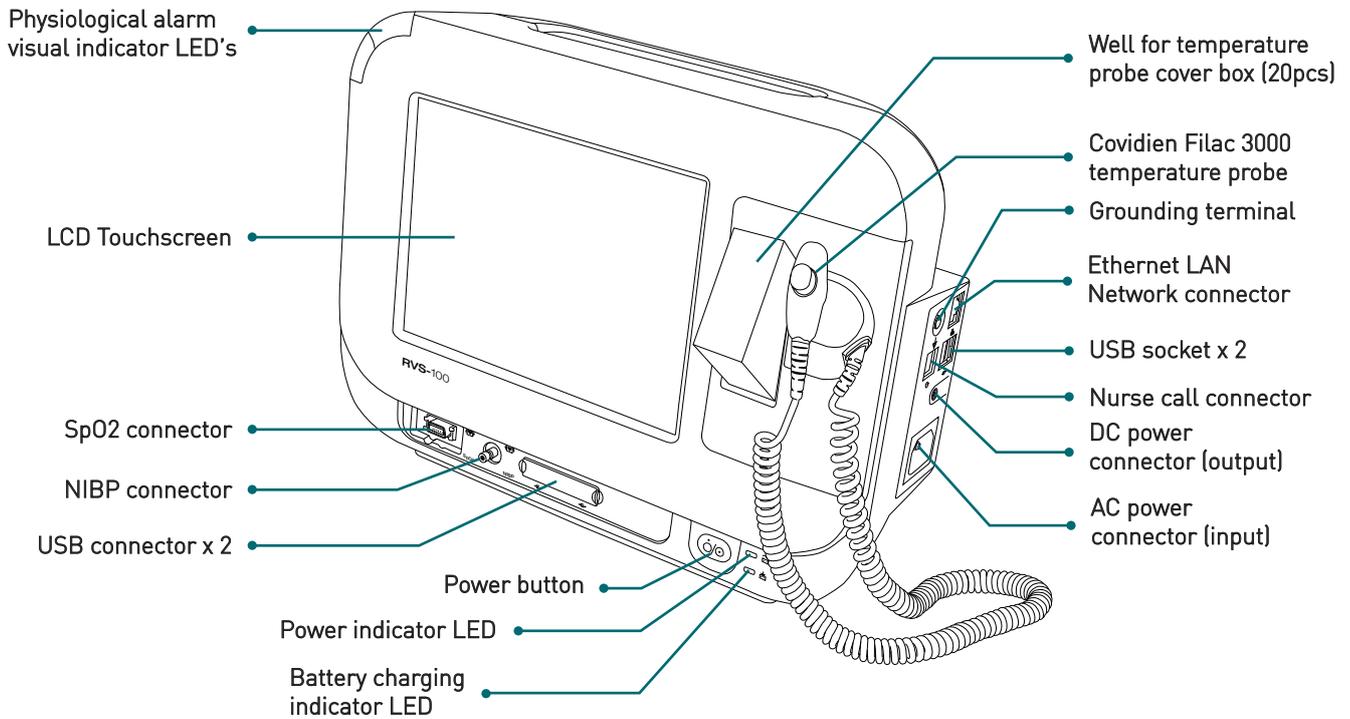# RVS-100
Vital Signs Monitor
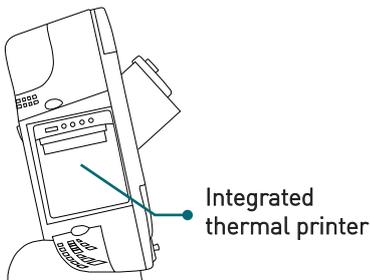
Quick Start Guide

APPEARANCE
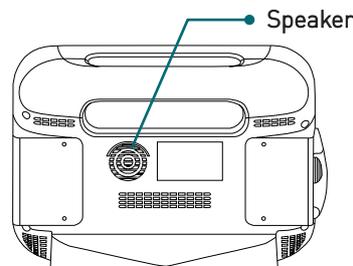
Front View

Physiological alarm visual indicator LED's

LCD Touchscreen

SpO2 connector

NIBP connector

USB connector x 2

Power button

Power indicator LED

Battery charging indicator LED

Well for temperature probe cover box (20pcs)

Covidien Filac 3000 temperature probe

Grounding terminal

Ethernet LAN Network connector

USB socket x 2

Nurse call connector

DC power connector (output)

AC power connector (input)

Left-side View

Integrated thermal printer

Rear View

Speaker

Bottom View

Battery compartment

ORDERING INFORMATION

1960-RRXXE	**RVS-**100, NIBP (Riester), SpO2 (Riester), EU plug
1960-RRBXE	**RVS-**100, NIBP (Riester) + SpO2 (Riester) + Pred. Temp, EU plug
1960-RRBPE	**RVS-**100, NIBP (Riester), SpO2 (Riester), Printer, EU plug
1960-RNXXE	**RVS-**100, NIBP (Riester), SpO2 (Riester), Pred. Temp, Printer, EU plug
1960-RNBXE	**RVS-**100, NIBP (Riester), SpO2 (Nellcor), Pred. Temp, EU plug
1960-RNBPE	**RVS-**100, NIBP (Riester), SpO2 (Nellcor), Pred. Temp, Printer, EU plug
1960-RMXXE	**RVS-**100, NIBP (Riester), SpO2 (Masimo), EU plug
1960-RMBXE	**RVS-**100, NIBP (Riester), SpO2 (Masimo), Pred. Temp, EU plug
1960-RMBPE	**RVS-**100, NIBP (Riester), SpO2 (Masimo), Pred. Temp, Printer, EU plug
1960-RRXPG	**RVS-**100, NIBP (Riester), SpO2 (Masimo), Printer, UK Plug

Riester

DISPLAY SCREEN

Clinician Information:
Department and ID

Clinician Information:
Full Name

Device Alarm
Message Bar

System Time and Date

Network status

Battery Status

Measurement Display
Area

Patient Information

Menu Tabs

Help key

Alarm pause key

Save button

Shortcut key to
home screen

Shortcut key to
standby mode

Shortcut key to
reset the alarm

Shortcut key to print

Shortcut key to start/stop
NIBP measurement

NIBP Display

Pressure unit

Systolic blood pressure/
Diastolic blood pressure

Mean arterial blood
pressure

Measurement mode

Upper alarm limit

Alarm switch

Lower alarm limit

Patient type

Pulse Rate (PR) Display

PR unit

PR value

PR source

Upper alarm limit

Lower alarm limit

SpO$_2$ Display

SpO$_2$ unit

%SpO$_2$ value

Pleth Waveform

Upper alarm limit

Lower alarm limit

Temperature Display

Temp unit of measure

Temp value

Alternate Temp value

Probe Cover indicator

Measurement site

Upper alarm limit

Lower alarm limit

Mode Key:
Rabbit icon = quick mode
Snowflake icon = cold mode
Tortoise icon = monitor mode

USING SPOT MODE

Spot mode Screen

Connecting data on Spot mode Screen

STEP 1. After pressing the power switch, the monitor will begin an automatic self-diagnostic test and start-up. During this process, the monitor will check the battery status and for error messages etc. The device will make a sound and the Riester logo will appear on the screen.

STEP 2. After the Riester logo disappears, the monitor will display the main user interface. Spot mode is designed for taking a single set of vital signs measurements on a patient. Patient information can be entered and managed, and while technical alarms are still available, physiological alarms are disabled.

STEP 3. Connect required cables or sensors to the monitor and connect appropriate cables or sensors to the patient. Ensure that device settings and the installation of cables or sensors are correct.

STEP 4. Connecting data will automatically appear on the screen.

USING NIBP MODE

NIBP mode Screen
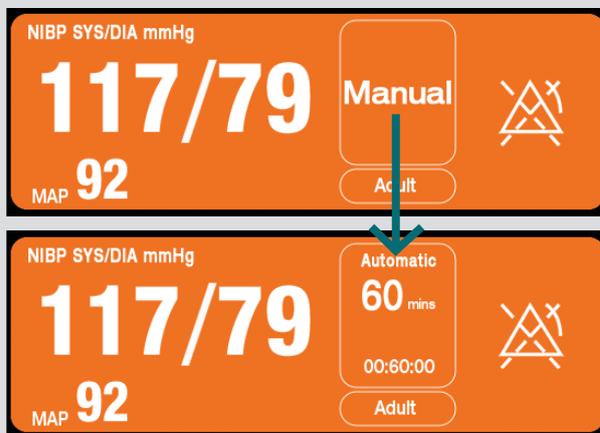
Duration time on NIBP display

STEP 1. Press the 🛏 button on the device display to read the blood pressure.

STEP 2. Press the Manual button on the NIBP display. There are four modes of measuring NIBP.

› Single Measurement (Manual): a single measurement on demand.

› Long-Term Automatic: continuous repeated measurements with a set interval.

› Averaging: a set number of measurements taken and averaged.

› Short-Term Automatic (STAT): rapid series of measurements over a five-minute period. For use only on supervised patients.

STEP 3. Press the Long-Term Automatic button, and touch the Minute bar to change time. A seperate screen will come up on the right side of screen.

STEP 4. Type in numbers the duration of time you want to automatically measure blood pressure. Select OK button.

STEP 5. Select Apply → OK to apply your settings. It will automatically return to the home screen where the new duration time of NIBP will be displayed.

USING MONITOR MODE

Settings> Profile Screen

Monitor mode Screen

STEP 1. On the home screen, press the `SETTINGS` tab on the bottom and `PROFILE` tab on the top to select the work mode you want.

STEP 2. Press the Monitor profile button, select `Apply` → `OK` to apply your settings.

STEP 3. It will automatically return to the home screen in Monitor mode. Monitor mode is designed for monitoring patients over time, and includes physiological and technical alarms.

STEP 4. Press the alarm button `ALARM` , this will open the Alarm Settings for that measurement (i.e. NIBP) where the alarm limits can be adjusted.

USING ALARM LIMIT
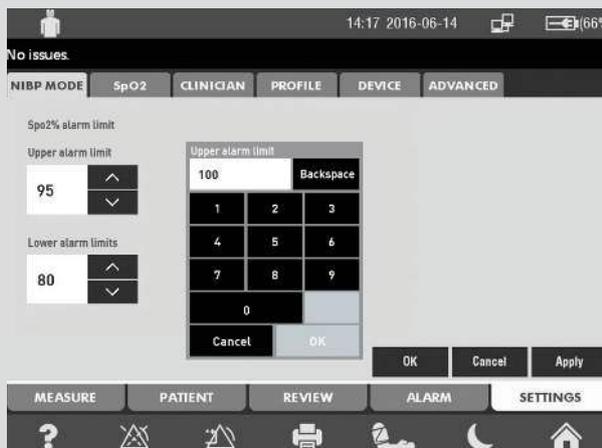
Alarm limit settings
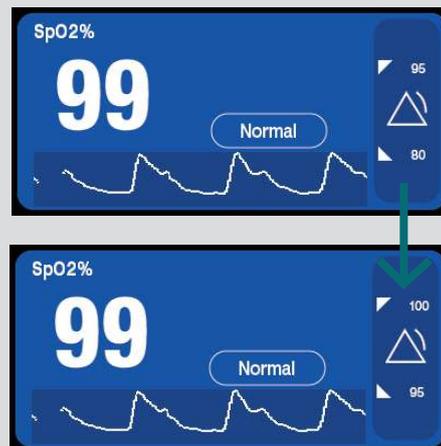
Alarm limits on Spo2% display

STEP 1. Go to `SETTINGS` → `PROFILE` and select Monitor to make sure the decive is in Monitor profile.

STEP 2. From the home screen, press the △ icon to access the Alarm Settings.

STEP 3. In the Alarm Settings, select the paramater you'd like to change (i.e. NIBP), press the up and down icons to change the limit settings. Alternatively type in numbers for alarm limit you want.

STEP 4. Select `Apply` → `OK` to apply your settings. It will automatically return to the home screen where the new alarm settings will be displayed.

USING ALARM VOLUME

STEP 1. Select Alarm → General → Alarm Volume

STEP 2. Choose a desired value from Low, Medium, High.

PAUSING THE ALARM. Press the ⊠ icon on the home screen.

Please visit **riester.de** for more information

Riester