RVS-100
ADVANCED VITAL SIGNS MONITOR

The RVS-100 is an advanced vital signs monitor which offers pulse oximetry, blood pressure and temperature measurements. The device has 'Monitor', 'Spot Check' and 'Triage' profile options and a high performance touchscreen. The RVS - 100 can communicate through a wired or wireless connection to the hospital's EMR, according to the HL7 standard. The highly flexible, modular design offers many configurations and settings to suit the needs of hospitals and clinics as well as office based and long-term care settings.

Key Features

- 3 measurement modes (Monitor, Spot-check, Triage)
- High-sensitivity 8" TFT colour touch screen with self-explanatory user interface and integrated help-function
- Displays SYS, DIA, MAP, Pulse, Temp, Plethysmogram
- Clinical grade NIBP* including averaging mode (2-5 readings)
- Riester*, Masimo* or Nellcor* Oximax SpO2
- Predictive Thermometer (Filac 3000)
- Connectivity with the EMR - follows the HL7 standard
- LAN Connectivity as standard
- Programmable alarms (audible, visible) with 3 priority levels
- Supports nurse call RJ11 port
- Available as wall, desk and floor model
- Internal memory for 5,000 measurements
- Lithium-ion battery with 11 hours run time (Automatic mode, 15min intervals)
- Li-ion battery with up to 17h ON-time
- 2 year warranty

(*includes neonate mode)

Options

- Thermal printer (internal)
- Barcode reader
- Mobile stand including basket for storage (cuffs, sensors, cables)
- WiFi

Accessories supplied with monitor

- NIBP extension tube
- 2 cuffs (adult & adult large incl. connectors)
- SpO2 sensor adult
- SpO2 extension cable
- Oral temperature probe*
- Probe covers*

(*only if pred. thermometer module is ordered)

Order information – Riester Vital Signs Monitor RVS-100

REF	Description
1960-RRXXE	NIBP (Riester) + SpO2 (Riester)
1960-RRBXE	NIBP (Riester) + SpO2 (Riester) + Pred. Temp
1960-RRBPE	NIBP (Riester) + SpO2 (Riester) + Pred. Temp + Printer
1960-RNXXE	NIBP (Riester) + SpO2 (Nellcor)
1960-RNBXE	NIBP (Riester) + SpO2 (Nellcor) + Pred. Temp
1960-RNBPE	NIBP (Riester) + SpO2 (Nellcor) + Pred. Temp + Printer
1960-RMXXE	NIBP (Riester) + SpO2 (Masimo)
1960-RMBXE	NIBP (Riester) + SpO2 (Masimo) + Pred. Temp
1960-RMBPE	NIBP (Riester) + SpO2 (Masimo) + Pred. Temp + Printer

13315 Barcode Reader
13317 Mobile Stand (basket included)

Barcode Reader

Basket for accessories including cable management

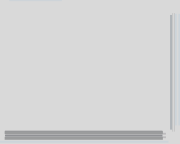
Integrated thermal printer (optional)

12669 Oral probe (blue) for predictive thermometer
12668 Rectal probe (red) for predictive thermometer
12688 Probe covers for predictive thermometer, pack of 500 ea (25 x 20 ea)

Port Overview

13300 SpO2-Sensor Riester Neonatal
13301 SpO2-Sensor Riester Children
13302 SpO2-Sensor Riester Adult
13303 SpO2-Sensor Nellcor Neonatal
13304 SpO2-Sensor Nellcor Children
13305 SpO2-Sensor Nellcor Adult
13306 SpO2-Sensor Masimo Neonatal
13307 SpO2-Sensor Masimo Children
13308 SpO2-Sensor Masimo Adult

Portable Device with an easy to hold handle



Intuitive user interface
highly responsive touch screen

RVS-200
RIESTER VITAL SIGNS WALL DIAGNOSTIC SYSTEM

The Riester RVS-200 wall diagnostic system is the unique combination of an advanced vital signs monitor and a modular diagnostic station. The highly flexible modular design allows for different configurations, to suit individual needs and reduce instrument complexity.

Key Features

- Includes all RVS-100 features
- Power supply for up to 3 diagnostic handles
- Maintenance-free HighPerformance LED illumination
- Wide range of EENT ri-scope L instruments
- Integrated Specula dispenser
- Easy and discrete mounting

Options

- Thermal printer (internal)
- Barcode reader
- WiFi

High Performance LED

REF Description

1961-RRXXE NIBP (Riester) + SpO2 (Riester)
1961-RRBXE NIBP (Riester) + SpO2 (Riester) + Pred. Temp
1961-RRBPE NIBP (Riester) + SpO2 (Riester) + Pred. Temp + Printer
1961-RNXXE NIBP (Riester) + SpO2 (Nellcor)
1961-RNBXE NIBP (Riester) + SpO2 (Nellcor) + Pred. Temp
1961-RNBPE NIBP (Riester) + SpO2 (Nellcor) + Pred. Temp + Printer
1961-RMXXE NIBP (Riester) + SpO2 (Masimo)
1961-RMBXE NIBP (Riester) + SpO2 (Masimo) + Pred. Temp
1961-RMBPE NIBP (Riester) + SpO2 (Masimo) + Pred. Temp + Printer

RVS-100/200

RIESTER VITAL SIGNS MONITORS

Technical Data

Monitor

Power Supply:	100 – 240 V AC, 50/60 Hz
Battery:	Lithium-Ion battery, rechargeable, 10.8 V DC, 6,600 mAh, Charging time to a 100%: 6 hours, Operating time approx. 11 hours (new and fully charged battery at 25°C ambient temperature with connected SpO2, Temp, and NIBP on AUTO mode (15 minutes interval))
	Low battery indicator
	Charging battery indicator
Dimensions Monitor:	L x H x W: 303 x 230 x 110 mm (11.93 x 9.05 x 4.33 in)
Weight:	3600 g, (7.94 lb) including temp module, printer,
Dimensions Basket:	L x H x W: 270 x 225 x 200 mm (10.63 x 8.86 x 7.87 in)
Alarm:	Visible LEDs (Yellow, Red, Blue, Green, Orange)
	Audible Speaker
	Gives audible alarm, QRS tone
	Supports Pitch Tone and multi-level volume
	Alarm tones meet the requirement of IEC 60601-1-8.
	Alarm Pressure: 45 dB to 85 dB test distance is 1 meter from the tone.
Ports:	1 x AC power inlet
	1 x standard RJ45 interfaces.100 BASE-TX, IEEE 802.3 4 x
	USB ports
	1 x Equipotential grounding point
	1 x RJ11 connector for nurse call
	DC out port 15V/1.2 A

Clinical-grade NIBP (non-invasive blood pressure)

Measuring method:	automatic oscillometric
Measurement range:	**Adult**
	SYS 30 – 270 mmHg, DIA 10 – 220 mmHg, MAP 20 – 235 mmHg
	Pediatric
	SYS 30 – 235 mmHg, DIA 10 – 220 mmHg, MAP 20 – 225 mmHg
	Neonate
	SYS 30-135 mmHg, DIA 10-110 mmHg, MAP 20-125 mmHg
Cuff pressure range:	0 – 280 mmHg
Resolution:	1 mmHg
Pressure accuracy:	Static ±3 mmHg
	Clinic ±5 mmHg, standard deviation 8 mmHg
Pulse rate range:	40 – 240 bpm
Pulse rate accuracy:	1 bpm
Initial inflation pressure:	Adult 160 mmHg, Pediatric 130 mmHg, Neonate 75 mmHg
	Double overpressure protection (hardware and software)
	Adult 297 ± 3 mmHg, Pediatric 252 ± 3 mmHg , Neonate 147 ± 3 mmHg
Alarm range:	
	SYS 0 – 300 mmHg
	DIA 0 – 300 mmHg
	MAP 0 – 300 mmHg

RVS-100/200
RIESTER VITAL SIGNS MONITORS

Technical Data

Riester SpO2	Measurement range:	0 – 100%
	Resolution:	1%
	Accuracy:	±2%(70 to 100%)
		±3% (40% to 69%)
		Unspecified (0% to 39%)
	Alarm range:	0 – 100%
	Average time:	4 sec, 8 sec, 16 sec
	Pulse rate	
	Measurement range:	20 – 250 bpm
	Resolution:	1 bpm
	Accuracy:	±1% or ±1 bpm whichever is greater
Nellcor SpO2	Measurement range:	0-100%
	Resolution: 1%	
	Accuracy:	70 – 100%: ±2% (adult, pediatric)
		70 – 100%: ±3% (neonate) 0 – 69%: unspecified
	Alarm range:	0 – 100%
	Average time:	8 sec, 16 sec
	Pulse rate	
	Measurement range:	20 – 300 bpm
	Resolution:	1 bpm
	Accuracy:	20 – 250 bpm: ±3 bpm
		251 – 300 bpm: unspecified
Masimo SpO2	Measurement range:	0 – 100%
	Resolution:	1%
	Accuracy:	70 – 100%: ±2% (adult, pediatric, non-motion conditions)
		70 – 100%: ±3% (neonate, non-motion conditions)
		70 – 100%: ±3% (motion conditions)
		0 – 69%: unspecified
	Average time:	2 – 4 sec, 4 – 6 sec, 8 sec, 10 sec, 12 sec, 14 sec, 16 sec
	Pulse rate	
	Measurement range:	25 – 240 bpm
	Resolution:	1 bpm
	Accuracy:	±3 bpm (non-motion conditions)
		±5 bpm (motion conditions)

Predictive thermometer

Oral (Quick Mode)	non-fever temps:	3-5 seconds
	fever temps:	8-10 seconds
Oral (Standard Mode):		6-10 seconds
Axillary Mode:		8-12 seconds
Rectal Mode:		10-14 seconds
Direct Mode (all sites):		60-120 seconds
Measurement accuracy:		35.5°C - 42°C
Direct Mode (all sites):		±0.1°C (±0.2°F)
Standard Prediction Mode (all sites):		±0.1°C (±0.2°F)
Quick Prediction Mode (oral only):		± 0.3°C (±0.5°)