RIESTER RVS-100 VITAL SIGNS MONITOR

Intuitive user interface with highly responsive touch screen

"Early Warning Scores" view mode

Programmable with EWS: NEWS, MEWS and 5 customisable profiles.

33801

33801 + 33810

Basket (270x200xh225 mm) for cuffs, sensors, cables storage

MULTIPARAMETER MONITORS
- **33800 RVS-100 NIBP + SpO$_2$ + PRINTER**
- **33801 RVS-100 NIBP + SpO$_2$ + PRED. TEMP + PRINTER**

The Riester RVS-100 is an easy to use vital signs monitor with touchscreen display, offering pulse oximetry, blood pressure. Temperature measurements (only 33801).
Meeting your healthcare system's needs, offering spot check, triage, and continuous monitoring modes for all neonatal to adult patients.

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
- EWS, NEWS and MEWS for early detection to improve patient outcomes
- clinical grade NIBP including averaging mode (2-5 readings) and neonate mode
- Bluetooth connectivity to Riester 'tymPRO' and 'sensioPRO' thermometers
- Riester Oximax SpO$_2$ including neonate mode
- predictive oral Thermometer (Filac 3000), only 33801
- connectivity with the EMR - using the HL7 standard
- LAN Connectivity as standard

- programmable alarms (audible, visible) with 3 priority levels
- supports nurse call RJ11 port
- internal memory for 5,000 measurements
- internal software language: GB, FR, IT, ES, PT, DE, DK, PL, CH
- lithium-ion battery with 11 hours run time (Automatic mode, 15 min intervals)

GIMA code	RIESTER code	ACCESSORIES FOR RVS-100
33805	13301	Riester SpO$_2$ sensor - children - optional
33806	13302	Riester SpO$_2$ sensor - adult - spare
33813	129.006	Riester pediatric velcro cuff 35.5 x 10 cm - optional
33810	13317	Trolley with basket
33811	13321	Printer paper roll 4.9 cm x 30 m - box of 20

STANDARD ACCESSORIES	
SpO$_2$ adult sensor	2 cuffs (adult and adult large with connectors)
SpO$_2$ extension cable	
Oral temperature probe (only 33801)	Lithium battery and charger
Probe covers (only 33801)	Manual (GB, IT. On request FR, DE, ES, PT, PL)
NIBP extension tube	

TECHNICAL SPECIFICATIONS

Clinical-grade NIBP (non-invasive blood pressure)
Measuring method: automatic oscillometric

Measurement range:

		SYS	DIA	MAP
	Adult	30-270 mmHg	10-220 mmHg	20-235 mmHg
	Pediatric	30-235 mmHg	10-220 mmHg	20-225 mmHg
	Neonate	30-135 mmHg	10-110 mmHg	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, accuracy 1 bpm

Initial inflation pressure:

	Adult	Pediatric	Neonate
	160 mmHg	130 mmHg	75 mmHg

Double overpressure protection (hardware and software)

	Adult	Pediatric	Neonate
	297 ± 3 mmHg	252 ± 3 mmHg	147 ± 3 mmHg

Alarm range: SYS, DIA, MAP 0 - 300 mmHg

Riester SpO$_2$
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

Predictive thermometer (only 33801)
Oral (Quick Mode) non-fever temps: 3 - 5 seconds

fever temps: 8 - 10 seconds
Oral (Standard Mode): 6-10 seconds
Measurement accuracy: 35.5 - 42°C ± 0.1°C (± 0.2°F)

Monitor
Alarm: Visible LEDs (Red, Yellow, Cyan)
Audible Speaker
Audible alarm, QRS tone
Supports Pitch Tone and multi-level volume
Alarm tones meet the requirement of IEC 60601-1-8
Pressure: 45 to 85 dB test distance 1 meter from the tone

Ports: 1 AC power inlet
1 standard RJ45 interfaces.100 BASE-TX, IEEE 802.3
4 USB ports
1 Equipotential grounding point
1 RJ11 connector for nurse call
DC out port 15V/1.2 A

Power Supply: 100 - 240 V AC, 50/60 Hz
Battery: Lithium-Ion, rechargeable battery, 10.8 V DC, 6,600 mAh,
Charging time to a 100%: 6 hours
Operating time approx. 11 hours
(new and fully charged battery with connected SpO$_2$, Temp and NIBP on AUTO mode (15 minutes interval))
Low battery indicator and charging battery indicator

Monitor dimensions: 303x110x h 230 mm (11.93x9.05x4.33 inches)
Weight: 3600 g, (7.94 lb) including temp module, printer