

EtCO₂, NIBP, and SpO₂ Options for the R Series



During cardiac events, monitoring patient vital signs is critical. In addition to state-of-the-art pacing technology, the R Series is now available with End-Tidal CO₂, Non-invasive Blood Pressure, and Pulse Oximetry.

ZOLL®

One Defibrillator for Every Need

End-Tidal CO₂

- Provides continuous end-tidal CO₂ monitoring and diagnostic information
- Rapid warm-up time

Non-Invasive Blood Pressure

- Adult and pediatric cuffs provide accurate readings in semi-automatic and manual modes
- Disposable neonatal cuffs also available

Pulse Oximetry

- Fast and accurate means of continually and non-invasively monitoring oxygenation

ZOLL Medical Corporation Worldwide Headquarters

269 Mill Road
Chelmsford, MA 01824
978-421-9655
800-348-9011

ZOLL Worldwide Offices

Australia
+61 2 8424 8700
www.zoll.com.au

Austria
+43 650 413 6222
www.zollmedical.at

Canada
+1 905-629-5005
www.zoll.com

China
+86 21 5027 8567
www.zoll.com

France
+33 (1) 30 57 7040
www.zoll.fr

Germany
+49 (0) 2236 87 87 0
www.zollmedical.de

Latin America
+1 954-237-7246
www.zoll.com

Middle East and Africa,
+962 655 290 55
www.zoll.com

The Netherlands
EU Authorized Representative
+31 (0) 481 366410
www.zoll.nl

Russia
+7 495 936 2338
www.zoll.com

United Kingdom
+44 (0) 1928 595 160
www.zoll.com

For subsidiary addresses and fax numbers, as well as other global locations, please go to www.zoll.com/contacts.

Advanced Monitoring Capabilities

End-Tidal (EtCO₂) Mainstream Technology

- Small, lightweight plug and play Respiration[®] CAPNOSTAT[®] 5 sensor provides fast response and reliable monitoring.
- Easy-to-use airway adapters provide hassle-free uninterrupted monitoring.
- Displays a printable capnogram on the defibrillator screen for easy identification of abnormal waveforms.

Non-Invasive Blood Pressure (NIBP)

- Takes single or multiple blood pressure measurements at user-programmable intervals or aborts any measurement in progress by pressing one button.
- Sets cuff inflation pressure to adjust automatically based on the previously measured systolic value.
- Displays systolic, diastolic, and mean blood pressure on the screen.
- Alarms can be configured to alert when the unit detects blood pressure values above or below user-programmable limits.
- Displays a history of NIBP measurements taken in the last four hours.
- SunTech Medical[®] Advantage R-wave motion tolerance technology available (user enabling required).

Pulse Oximetry (SpO₂)

- Provides a fast and accurate means of continually and non-invasively monitoring patients who are at risk for developing hypoxemia.
- Combines adult, pediatric, and neonatal capabilities.
- Monitors both ECG rate and pulse rate when pacing.
- Masimo's SET[®] unique signal processing algorithm provides more accurate measurements during motion, fewer false alarms, reliable values during external pacing, and improved oximeter performance with patients in shock and/or low perfusion.



SpO₂, EtCO₂, and NIBP—all in one device.



Easy-to-read display shows all parameters and critical data at a glance in all conditions.



Available pouch offers convenient storage and easy access to attachments.

R Series Advanced Monitoring Specifications

End-Tidal CO₂

Patient Population: Adult, Pediatric, Neonatal.

Transducer Type: CAPNOSTAT 5: Mainstream.

Principle of Operation: Non-Dispersive Infrared (NDIR) single beam optics, dual wavelength, no moving parts.

Warm-up Time: Full specifications within two minutes at an ambient temperature of 25°C. Capnogram in 15 seconds.

Environmental: Operating Temperature: (0°C to 40°C)

Storage and Shipping Temperature: -40°C to 70°C. Units may not perform to specifications when stored at the upper or lower extreme limits of storage temperature and immediately put into use.

Non-Invasive Blood Pressure

Patient Population: Adult, Pediatric, Neonatal.

Method: Oscillometric.

Control: Automatic and manual measurements.

Auto Intervals: 2.5, 3, 4, 5, 6, 7, 8, 9, 10, 15, 20, 30, 45, 60, 90, 120 min.

STAT Mode: Maximum number of measurements in 5 minutes, not to exceed 10.

Displayed Pressures: Systolic, Diastolic, Mean.

Displayed Units: mmHg, kPa.

Systolic Range: 40 to 260 mmHg.

Diastolic Range: 20 to 200 mmHg.

Mean Range: 30 to 220 mmHg.

Pressure Transducer Accuracy: ±3 mmHg.

Redundant Circuit Overpressure Limit: 300 mmHg.

Pulse Rate Range: 40 to 200 bpm.

Typical Measurement Time: 30 seconds.

Regulatory Standards: ANSI/AAMI SP10-2002; EN 1060-1: 1996 Specification for Non-invasive sphygmomanometers: EN 1060-3: 1997; EN 60601-2-30: 2000

Pulse Oximetry with Masimo SET[®] Technology

Saturation Range: 1-100% (%SpO₂) with a resolution of 1%

Pulse Rate Range: 25-240 ppm with a resolution of 1 ppm.

Saturation Accuracy: Non-motion conditions: ±2% for adults/pediatrics; ±3% for neonates. During motion ±3% for all patients.

Pulse Rate Accuracy: Non-motion conditions: ±3 ppm. During motion: ±5 ppm.

Specifications subject to change without notice.

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