Radius PCG™
Portable Real-time Capnography with Bluetooth® Connectivity

Measurements

EtCO₂
End-tidal CO₂

RR
Respiration Rate

Immediate results – minimal warm-up time, with fully accurate end-tidal carbon dioxide (EtCO₂) and respiration rate (RR) measurements and continuous EtCO₂ waveform displayed within 15 seconds¹

Small, lightweight, and tetherless – convenient during short-term EtCO₂ monitoring of adult, pediatric, and infant patients

Designed to fit easily onto a breathing circuit – flexible use across multiple care areas, including pre-hospital, emergency medicine, operating room, intensive care unit, long-term acute care, and patient transport

Connectivity – integrates with Masimo monitors to provide a larger waveform display, measurement trending, and seamless transfer of patient data to the electronic medical record
Features

> Simple, easy-to-use interface for quick setup and one-touch programming
> Battery life up to 10 hours with two standard AAA lithium batteries
> Audible and visual alarm system for No Adapter, Clogged Adapter, No Breath (Apnea), Low Battery, Zero Point Adjustment, and adjustable High and Low EtCO2 alarms
> Easy to maintain with no routine calibration required
> Small, portable design easily stores in a crash cart

Alarm Limits
Alarm limits and visual alarm status indicator; silence active alarms for two minutes

End-tidal Carbon Dioxide
Quantitative, continuous EtCO2 is updated every breath

Capnogram
14.4 second sweep of CO2 values

Power Button
Warm-up time to full accuracy within 15 seconds

Bluetooth LE
Wireless connection to a compatible smart device or host for data storage and display

Respiration Rate
RR is displayed after two breaths and updated every breath

Airway Adapter
Available in adult/pediatric and infant sizes

Radius PCG Specifications

**Ranges**

<table>
<thead>
<tr>
<th></th>
<th>CO2</th>
<th>RR</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-99 mmHg</td>
<td>0-9.9 kPa</td>
<td>3-150 bpm</td>
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</table>

**Accuracy (Standard Conditions)**

<table>
<thead>
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<th>RR</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-40 mmHg ±2 mmHg; 41-99 mmHg 6% of reading</td>
<td>0-5.3 kPa ±0.3 kPa; 5.4-9.9 kPa 6% of reading</td>
<td>±1 bpm</td>
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</tbody>
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**Batteries**

- Type: 2 (two) AAA Cell Alkaline or Lithium
- Battery life (Radius PCG): 4 hours (Alkaline) 8 hours (Lithium)

**Environmental**

- Operating temperature: -5 to 50°C (23 to 122°F)
- Operating atmospheric pressure: 60 to 120 kPa
- Operating humidity: < 50% RH at 50°C
- Storage temperature: -40 to 70°C (-40 to 158°F)
- Storage atmospheric pressure: 50 to 120 kPa

**Physical Characteristics**

- Dimensions (Radius PCG): 52 x 44 x 39 mm (2.1 x 1.8 x 1.6 inches)
- Weight: < 65 g (1.2 oz) with batteries
- Dead space adult/pediatric: 6 ml
- Dead space infant: 1 ml

Ordering Information

- **Radius PCG**
  - Radius PCG (mmHg) PN 9961
  - Radius PCG (kPa) PN 9962

- **EMMA® Airway Adapter**
  - Adult/Pediatric
    - Box of 25
    - PN 17448

- **EMMA Airway Adapter**
  - Infant
    - Box of 10
    - PN 17449

*In order for the Radius PCG to provide readings, either of the listed airway adapters is required. Kit includes Radius PCG, pouch, and lanyard.


Caution: Federal (USA) law restricts this device to sale by or on the order of a physician. See instructions for use for full prescribing information, including indications, contraindications, warnings, and precautions.

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