

GE DINAMAP CRITIKON 8100



ABOUT

The GE Dinamap Critikon 8100 is a versatile vital sign monitor designed for noninvasive and automatic measurement of critical patient parameters. Its user-friendly operation and portability make it suitable for neonatal, pediatric, and adult patients in various clinical settings. The advanced oscillometric technology ensures accurate and reliable measurements even in challenging conditions.

FEATURES

- **Monitoring System:** Measures systolic, diastolic, mean arterial pressure (MAP), and pulse rate across all patient categories.
- **Patient Selection:** Automatically switches between adult/pediatric and neonatal monitoring modes based on the connected cuff.
- **Portable:** Operates on AC power or internal rechargeable battery for up to 6 hours of uninterrupted use.
- **Display:** High-visibility displays show results clearly for rapid assessments.
- **Artifact Rejection Technology:** Reduces interference from motion or external noise for precise readings.
- **Customizable Alarms:** Alerts for systolic, diastolic, MAP, and pulse rates outside operator-defined ranges.
- **Data Recall:** Stores and recalls up to 100 previous measurements for improved patient management.



SPECIFICATIONS



DIMENSIONS

Height: 8.8 in (22.4 cm)

Width: 6.7 in (17.0 cm)

Depth: 6.7 in (17.0 cm)

Weight: 8.6 lbs (3.9 kg)

POWER AC

Voltage: 88-132 V AC (120 V AC nominal), 194-268 V AC (230 V AC nominal)

Frequency: 47-63 Hz

Power Consumption: 0.4 A max at 120 V AC; 0.2 A max at 230 V AC

BATTERY

Battery Type: 12 V, 2.4 Ah rechargeable lead-acid

Battery Life: Minimum 6 hours (at 5-minute auto cycle with adult cuff)

Charge Time: 16 hours to full capacity

MONITORING PARAMETERS

Systolic Range

- **Adult/Pediatric:** 30-245 mmHg
- **Neonatal:** 30-125 mmHg

Diastolic Range

- **Adult/Pediatric:** 10-210 mmHg
- **Neonatal:** 10-125 mmHg

MAP Range

- **Adult/Pediatric:** 30-225 mmHg
- **Neonatal:** 30-190 mmHg

Pulse Rate

- **Adult/Pediatric:** 40-200 bpm
- **Neonatal:** 40-220 bpm
- **Accuracy:** ± 5 mmHg for blood pressure, $\pm 3\%$ for pulse rate

ENVIRONMENTAL CONDITIONS

Operating Temperature: 10°C to 40°C (50°F to 104°F)

Storage Temperature: -29°C to 75°C (-20°F to 167°F)

Humidity Range: 0% to 95% non-condensing

Altitude: -1,000 to +15,000 ft (-305 to +4,572 m)