

# A New Generation of Cardell® Monitors The 9400 Series



Model 9401  
BP Only



Model 9402  
BP & SpO<sub>2</sub>

## Providing reliable blood pressure monitoring in a more compact and affordable package

The new Cardell 9400 Series Monitors are priced significantly lower than our previous monitors, yet offer the same features, reliability and technology that have made them the leading BP monitors.

Since their introduction three years ago, veterinarians have used Cardell Monitors to assess patient condition in delicate surgery to diagnosing hypertension. Ask your distributor about them today.



- Provides systolic, diastolic, mean arterial pressure and heart rate in seconds.
- STAT mode provides continuous readings for five minutes with 10 second pause between.
- Pulse rate range from 20 to 300 beats/min.
- Manual and automatic mode for readings.
- Set auto measurement from 1- 90 minutes.
- AC or rechargeable battery (4 hours). Works on 100 volt to 240 volt.
- Stores 99 minutes of readings or last 5 hours.

- High and low alarm setting for all parameters.
- Message window displays system alarms and trouble shooting messages.
- 12 cuffs in 6 different sizes included.
- 9402 comes with lingual sensor.
- 9402 uses Nonin technology for SpO<sub>2</sub>.
- 3-year warranty; 1-year on battery pack.

# The CARDELL® Monitors Models 9401 & 9402 Providing BP & SpO<sub>2</sub> Quickly, Easily and Consistently

Exclusively for Veterinarians



## REASONS FOR MONITORING BP

Clinicians are using arterial blood pressure monitoring for the following reasons:

- Detect hypotension in injured or sick patients - helps in management.
- Find and assess primary or secondary hypertension.
- Assess anesthetic depth in surgery.
- Assess results of drug and / or diet therapy in hypertension.
- Assist in properly titrating I.V. fluid and analeptic drugs in acute care.
- Follow BP trends in critical patients as therapeutic measures are taken.
- Help adjust therapy more accurately in patients with chronic disease to keep organ function near optimum.
- Provide patient data base to compare when health is compromised.
- Assist in evaluating post-op recovery.
- Exhibit a higher level of patient care to clients.

## SpO<sub>2</sub> SPECIFICATIONS

**Oxygen Saturation Range:** 0-100%

**SpO<sub>2</sub> Accuracy:** • 70 -100% ±2%

**Pulse Rate Range:** 20 - 450 beats per minute

**Pulse Rate Accuracy:** ±3% ±1 digit

**Selectable Pulse Beep Volume/Variable Pulse Tone**

## BP MONITOR SPECIFICATIONS

**Technique:** Oscillometric measurement method.

**Parameters:** Systolic, diastolic, mean arterial pressure and heart rate (20-300 beats per minute).

**Modes:** Manual, Auto Cycle, STAT (5 min. consec.)

**History Mode:** Maintains last 5 hours up to 99 readings.

**Automatic Cycle Times:** 1, 2, 3, 4, 5, 10, 15, 30, 60, 90.

**Determination Time:**

- Small cuff: 18 seconds typical @160 BPM 120/80

- Large cuff: 26 seconds typical @75 BPM 120/80

Maximum time allowed: 150 seconds.

**Initial Inflation:** 150 mmHg; subsequent inflations to approx. 30 mmHg greater than previous systolic pressure.

**Blood Pressure Range:** 20-265 mmHg

**Pulse Rate Range:** 20-300 BPM

**BP Accuracy:** ±5 mmHg with standard deviation no greater than 8 mmHg. Meets AAMI/ANSI SP10, '92

**Pulse Accuracy:** ±2%

<b>Patient Alarms:</b>	<u>High Limit</u>	<u>Low Limit</u>	<u>Preset</u>
Systolic	80-250	40-160	H:240/L:0
Diastolic	30-200	30-150	H:130/L:0
MAP	50-220	35-150	H:220/L:0
Pulse Rate	20-300	20-300	H:290/ L:0

**Power:**

Source: AC line or internal battery.

AC Power: 90-264VAC, 50-60 Hz, 0.3A.

Battery: Nickel metal hydride battery pack; charge time is less than 4 hours (easily changed for extended battery life); operation on battery is 100 readings @ 1 per minute.

Leakage current: 100 micro amp maximum

**Printer:** (Optional) RS232 port for printer connection.

**PC Connection:** Use NULL Modem cable to RS232 port.

**Operating Environment:**

Temperature: 0°C to 50°C (32°F to 122°F).

Humidity: 15-95%, non-condensing.

Altitude: 500 feet (152 meters) below sea level to 10,000 feet (3048 meters) above sea level.

**Storage Temperature:** -20°C to 70°C (-40°F to 158°F).

**Dimensions:** 6.75" H x 8.5"W x 3.0"D

**Weight:** 3 lbs. (1.4 kg)

Distributed by: