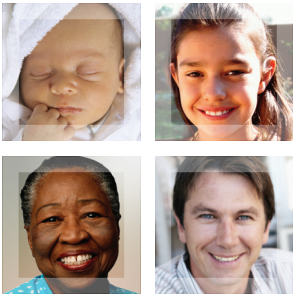


# 740 Vital Signs Monitor



The CASMED® 740 monitor offers leading-edge technology in a rugged, portable, lightweight unit that weighs only 1.4 kg (3 lbs).

Easy to use, reliable, accurate, with multi-parameter capabilities

- Fast, accurate blood pressure readings for neonates through adults . . . reduces the problems of motion in blood pressure measurement
- Monitor oximetry and temperature either continuously or in a “spot-check” mode
- Ideal for medical/surgical patients on pain medications including PCA pumps, for hospital or office-based endoscopy procedures, and for the EMS market

Featured technologies

- CASMED's proprietary MAXNIBP® technology

Oximetry choices include:

- Masimo SET®
- Nellcor® OxiMax®
- Nonin®

Four models available:

- CAS 740-1 MAXNIBP
- CAS 740-2 MAXNIBP and SpO<sub>2</sub>
- CAS 740-2T MAXNIBP and Temperature
- CAS 740-3 MAXNIBP, SpO<sub>2</sub> and Temperature



# 740 Vital Signs Monitor



- Created with emergency medical responders in mind
- Wireless (infrared) printer option
- User removable NiMH battery pack, internal power supply and DC power option
- Flexible mounting solutions include cart, IV pole, bedrail, or wall; it can be fixed to a swivel wall mount designed specifically for emergency vehicles or carried in a protective, durable case

## NIBP

**Technique:** Oscillometric (MAXNIBP® Technology)

**Patient Range:** Adult – Neonate

### Measurement Range

Systolic: 30-255 mmHg

Diastolic: 15-220 mmHg

MAP: 20-235 mmHg

**Pulse Rate Range:** 30-240 BPM

### Accuracy

Blood Pressure: ± 5 mmHg standard deviation

no greater than 8 mmHg

Pulse Rate: ± 2% or ± 2 BPM, whichever is greater

## Oximetry (Options)

### Masimo SET®

**SpO<sub>2</sub> Range:** 0-100%

**SpO<sub>2</sub> Accuracy:**

70-100%, ± 2 digits (1 S.D.) Adult

70-100%, ± 3 digits (1 S.D.) Neonate

**Pulse Rate Range:** 25-240 BPM

**Pulse Rate Accuracy:** ± 3 BPM

### Nonin®

**SpO<sub>2</sub> Range:** 0-100%

**SpO<sub>2</sub> Accuracy:**

70-100%, ± 2 digits (1 S.D.) Adult

70-100%, ± 3 digits (1 S.D.) Neonate

**Pulse Rate Range:** 18-240 BPM

**Pulse Rate Accuracy:** ± 3% or ± 1 digit, whichever is greater

### Nellcor® OxiMax®

**SpO<sub>2</sub> Range:** 1-100%

**SpO<sub>2</sub> Accuracy:**

70-100%, ± 2 digits (1 S.D.) Adult

70-100%, ± 3 digits (1 S.D.) Neonate

**Pulse Rate Range:** 20-240 BPM

**Pulse Rate Accuracy:** ± 3 digits

## Temperature (Optional)

### Welch Allyn SureTemp® Plus

**Temperature Range:** 29 °C to 42 °C

(84.2 °F to 107.6 °F)

**Accuracy:** ± 0.1 °C (± 0.2 °F)

Meets or exceeds ASTM Standards

## Control Panel

**Display:** LED display of measurement results, instructions, troubleshooting messages, and signal strength bar

**Parameters Displayed:** Systolic Pressure, Diastolic Pressure, Mean Arterial Pressure (MAP), Pulse Rate, %SpO<sub>2</sub>, Temperature (°C or °F)

## Patient Alarms

Adjustable high and low alarms for Pulse Rate, SpO<sub>2</sub>, Systolic Pressure, Diastolic Pressure and Mean Arterial Pressure

## Operating Modes

**History:** Review of previous measurements

**NIBP:** Manual, STAT or Automatic (at preset intervals)

**%SpO<sub>2</sub>:** Continuous Monitoring

**Temperature:** Predictive or Continuous

## Power

**Source:** External line or internal battery

**AC Power:** 100-240 VAC, 50-60 Hz, 0.5A;

T1.25A L250V fuse rating

**DC Power (EMS Option):** 12-30 VDC

**Battery:** NiMH battery pack (removable)

**Charge Time:** 4 hours

**Operating Time:** Minimum 4 hours of continuous operation

**Leakage Current:** 100 µA (maximum)

## Safety Limits

### Automatic Cuff Deflation

If cuff pressure exceeds 290 mmHg (Adults), 145 mmHg (Neonate)

If measurement time exceeds 120 seconds

(Adults), 90 seconds (Neonate)

If safety timer detects microprocessor failure

## Operating Environment

**Operating Temperature:** 0° C to 50° C

(32° F to 122° F)

**Storage Temperature:** -20° C to 65° C

(-4° F to 149° F)

**Humidity:** 15 - 95%, non-condensing

**Altitude:** Up to 3048 meters (10,000 feet)

Monitors may not meet performance specifications if stored or used outside temperature and humidity ranges.

## Physical Dimensions & Weight (Base Unit)

**H x W x D:** 17.0 cm x 21.5 cm x 7.5 cm

(6.75 in x 8.5 in x 3.0 in)

**Weight:** 1.4 kgs (3 lbs)

## Standards

ANSI/AAMI SP-10

EN 60601-1, EN 60601-1-2, EN 865, EN 60601-2-30,

EN 60601-2-49

ETL Listed – UL 60601, CAN/CSA C22.2 No. 601.1

CE Marking according to Directive 93/42/EEC

## Optional Accessories

Infrared printer

RS-232 interface

Swiveled hard mount (for ambulance applications)

Roll stand and basket

Protective carrying case

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