

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 SpO₂
- CAS 740-2T MAXNIBP and Temperature
- CAS 740-3 MAXNIBP, SpO₂ and Temperature



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- 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
- Temperature Module features Fever/Hypothermic Modes

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®**

SpO₂ Range: 0-100%

SpO₂ 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®

SpO₂ Range: 0-100%

SpO₂ 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®

SpO₂ Range: 1-100%

SpO₂ 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)**Covidien FasTemp™**

Temperature Range: 30° C to 43° C

(85° F to 110° 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, %SpO₂, Temperature (°C or °F)

Patient Alarms

Adjustable high and low alarms for Pulse Rate, SpO₂, Systolic Pressure, Diastolic Pressure and Mean Arterial Pressure

Operating Modes

History: Review of previous measurements

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

%SpO₂: Continuous Monitoring

Temperature: Predictive or Direct

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

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

IEC 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

CAS Medical Systems, Inc.

44 East Industrial Road
 Branford, CT 06405 USA
 Telephone: 203 488 6056
 Toll Free: 800 227 4414
 www.casmed.com



ISO 13485
 Certificate Number FM 72259

Product is  Marked

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