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
Patient Monitors

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

**Oximetry (Options)**

- **Masimo SET®**
  - SpO2: 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: 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: 0-100%
  - 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