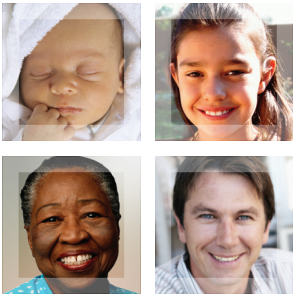


# 750 Multi-Parameter Monitor



Multi-parameter monitor is compact, portable and ideal for:

- procedural sedation
- transport, in-hospital applications
- emergency care
- outpatient care

Small, lightweight and technologically advanced

At 2kg (4.4 lbs), the CASMED 750 is one of the world's smallest and lightest multi-parameter monitors.

For all Patients

- Adult
- Pediatric
- Neonatal

Display

- Up to three waveforms
- Grouped numerics
- Trend and alarm history

Featured technologies

- ECG (3 or 5 lead)
- Oximetry choices include:
  - Masimo SET®
  - Nellcor® OxiMax®
- MAXNIBP®
- Oridion Microstream® EtCO<sub>2</sub>
- Temperature (continuous & reusable)



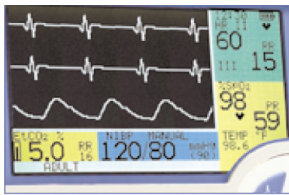
## Patient Monitors

# 750 Multi-Parameter Monitor



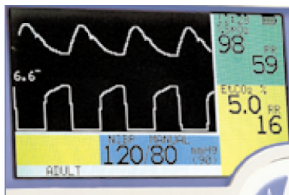
- Fully configured monitor with ECG, Respiration, Temperature, SpO<sub>2</sub>, NIBP and EtCO<sub>2</sub>, weighing only 2 kg (4.4 lbs)
- Pulse oximetry choices including Masimo SET<sup>®</sup> and Nellcor<sup>®</sup> OxiMax<sup>®</sup>
- MAXNIBP<sup>®</sup> (Motion Artifact Extraction) for fast, accurate and reliable blood pressure measurements
- Oridion Microstream<sup>®</sup> EtCO<sub>2</sub> option for intubated and non-intubated patients
- Wireless (infrared) printer option
- Monitoring for neonates to adults
- User removable NiMH battery pack, internal power supply and DC power option
- Meets Shock and Vibration Testing to 50G (RTCA DO-160C)

### 750E Configuration



- 750E-1 ECG
- 750E-2 ECG and SpO<sub>2</sub>
- 750E-3 ECG, SpO<sub>2</sub> and MAXNIBP
- 750E-3C ECG, SpO<sub>2</sub> and EtCO<sub>2</sub>
- 750E-4 ECG, SpO<sub>2</sub>, MAXNIBP and EtCO<sub>2</sub>

### 750C Configuration



- 750C-2 EtCO<sub>2</sub> and SpO<sub>2</sub>
- 750C-3 EtCO<sub>2</sub>, SpO<sub>2</sub> and MAXNIBP

### 750S Configuration

- 750S SpO<sub>2</sub> and NIBP

### CAS Medical Systems, Inc.

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

### ECG

**Input:** 3 or 5 leads  
**Leads:** I, II, III, aVL, aVF, aVR, V  
**Frequency Response:** 0.5 to 25 Hz  
**Gain:** Auto or Selectable (X.5, X1, X2, X4, X8, X16)  
**Pacer Detection:** Yes  
**Pacer Rejection:** Yes

### Heart Rate (ECG)

**Range:** Adult 15-300 BPM, Neonate 15-350 BPM  
**Accuracy:** ± 3 BPM or ± 3%, whichever is greater  
**Resolution:** 1 BPM

### Respiration (ECG)

**Method:** Impedance Pneumography  
**Range:** 0 – 150 BrPM  
**Accuracy:** 0 to 122 BrPM ± 1 BrPM,  
123 to 150 BrPM ± 2 BrPM  
**Resolution:** 1 BrPM

### NIBP

**Technique:** Oscillometric (MAXNIBP<sup>®</sup> Technology)  
**Patient Range:** Adult – Neonate  
**Systolic:** Adult 30-255 mmHg,  
Neonate 30-135 mmHg  
**Diastolic:** Adult 15-220 mmHg,  
Neonate 15-110 mmHg  
**MAP:** Adult 20-235 mmHg, Neonate 20-125 mmHg  
**Pulse Rate Range:** Adult 30-240 BPM,  
Neonate 40-240 BPM  
**Accuracy:** ± 5 mmHg  
Standard deviation no greater than 8 mmHg  
(meets AAMI 2002 SP-10 requirements)

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

**Masimo SET<sup>®</sup>**  
**Range:** 0-100%  
**Accuracy:** Adult 70-100%, ± 2 digits (1 S.D.)  
Neonate 70-100%, ± 3 digits (1 S.D.)  
**Pulse Rate Range:** 25-240 BPM  
**Accuracy:** ± 3 BPM

### Nellcor<sup>®</sup> OxiMax<sup>®</sup>

**Range:** 1-100%  
**Accuracy:** Adult 70-100%, ± 2 digits (1 S.D.),  
Neonate 70-100%, ± 3 digits (1 S.D.)  
**Pulse Rate Range:** 20-240 BPM  
**Accuracy:** ± 3 digits

### Temperature (continuous & reusable)

**Use:** Esophageal, rectal, liquid immersion  
**Range:** Interchangeable at 25 °C to 45 °C  
**Accuracy:** ± 0.1 °C (± 0.2 °F)  
**Resolution:** 0.1 °C or 0.1 °F  
12 FR nominal diameter; standard 1/4" phone plug connector

### EtCO<sub>2</sub>

**Oridion Microstream<sup>®</sup>**  
**Method:** Sidestream Capnography  
**Units:** mmHg, % or kPa  
**Sample Rate:** 50 ml/min ± 7.5 ml/min  
**Range:** 0 to 99 mmHg (0-13.2 kPa and  
0-13.0 vol% at sea level)  
**Warm-Up Time:** 30 seconds typical, reaches  
steadystate accuracy 20 minutes after power up  
**Accuracy:** 0-38 mmHg ± 2 mmHg  
39-99 mmHg ± 5% of reading  
**Resolution:** 1 mmHg, 0.1 % or 0.1 kPa  
**Respiration Rate:** 0-150 BrPM

### Patient Alarms

**Adjustable Alarms (High & Low):** Heart Rate,  
%SpO<sub>2</sub>, Pulse Rate, EtCO<sub>2</sub>, Respiration Rate,  
Systolic, Diastolic, No Respiration, FiCO<sub>2</sub>  
**Fixed Alarms:** Asystole  
**Trend History:** 8 hours or 480 Events  
**Alarm History:** 25 most recent alarms  
**Indicators:** Audible, Yellow Equipment Alarm LED's,  
Red Patient Alarm LED's, and Message Window

### Operating Modes

**Patient Modes:** Neonate or Adult  
**NIBP Modes:** Manual, STAT or automatic  
(at preset intervals)  
**Other Modes:** Sleep Mode

### Display

**Numerics:** HR, PR, %SpO<sub>2</sub>, NIBP (Systolic, Diastolic  
and MAP or PR), EtCO<sub>2</sub> (mmHg, % or kPa), RR,  
Temp (in °F or °C)  
**Waveforms:** Configurable (up to 3) ECG, SpO<sub>2</sub>,  
Impedance Resp, CO<sub>2</sub>  
**Sweep Speed:** 12.5, 25, 50 mm/sec (ECG, SpO<sub>2</sub>)  
3.0, 6.25, 12.5 mm/sec (Resp, CO<sub>2</sub>)

### Physical Dimensions & Weight

(Fully configured unit with battery)  
**H x W x D:** 17.0 cm x 21.5 cm x 10.2 cm  
(6.75 in x 8.5 in x 4.0 in)  
**Weight:** 2.0 kgs (4.4 lbs)

### Operating Environment

**Operating Temperature:** 0° C to 50° C  
(32° F to 122° F)  
**Storage Temperature:** -20° C to 60° C  
(-4° F to 140° F)  
**Humidity:** 15 to 95% RH, non-condensing  
**Altitude:** -500 to +10,000 ft (-152.4 m to +3048 m)  
**Barometric Pressure:** 600 to 790 mmHg  
(80 to 105 kPa)

### Power

**Source:** External AC power or internal battery  
**AC Power:** 100-240 VAC, 50/60 Hz, 0.5A; T.125A  
L250V fuse rating  
**DC (Optional):** 12 VDC  
**Battery:** NiMH battery pack (user removable)  
**Charge Time:** 3-5 hrs  
**Operating Time:** 3 hrs (750E-4 with NIBP at  
15 minute intervals)  
**Chassis Leakage Current:** 100 µA (maximum)

### Standards

ANSI/AAMI SP-10: 2002  
IEC 60601-1, EN 60601-1-2, IEC 60601-2-30, IEC 60601-2-49,  
EN 864, EN865  
UL Listed:(non-ECG units) UL 60601-1, CAN/CSA C22.2 No.  
601.1  
CE Marking:(non-ECG units) according to Directive 93/42/EEC  
Shock and Vibration Testing to 50G (RTCA DO-160C)



ISO 13485  
Certificate Number FM 72259

Product is CE Marked

Dealer Imprint