

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)
- Masimo SET® SpO₂
- MAXNIBP®
- Oridion Microstream® EtCO₂
- Temp (YSI)



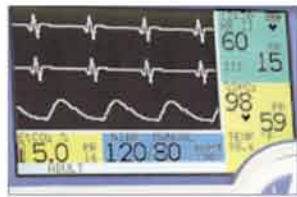


Patient Monitors

750 Multi-Parameter Monitor

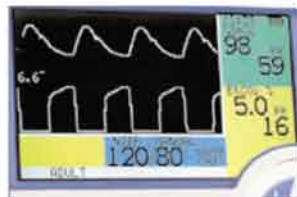
- Fully configured monitor with ECG, Respiration, Temperature, SpO₂, NIBP and EtCO₂, weighing only 2 kg (4.4 lbs)
- Pulse oximetry choices including Masimo SET[®] and Nellcor[®] OxiMax[®]
- MAXNIBP[®] (Motion Artifact Extraction) for fast, accurate and reliable blood pressure measurements
- Oridion Microstream[®] EtCO₂ 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

750E Configuration



- 750E-1 ECG
- 750E-2 ECG and SpO₂
- 750E-3 ECG, SpO₂ and MAXNIBP
- 750E-3C ECG, SpO₂ and EtCO₂
- 750E-4 ECG, SpO₂, MAXNIBP and EtCO₂

750C Configuration



- 750C-2 EtCO₂ and SpO₂
- 750C-3 EtCO₂, SpO₂ and MAXNIBP

750S Configuration

- 750S SpO₂ and NIBP



ISO 13485
Certificate Number FM 72259

ECG

Input: 3 or 5 leads
Leads: I, II, III, aVL, aVF, aVR, V
Frequency Response: 0.5 to 40 Hz
Gain: Auto or Selectable (X1, X2, X4 or X8)
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 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)

SpO₂

Masimo SET
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 OxiMax

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

Input: YSI 400 compatible
Range: 29 °C to 42 °C (84.2 °F to 107.6 °F)
Accuracy: ± 0.1 °C (± 0.2 °F)
Resolution: 0.1 °C or 0.1 °F

EtCO₂

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, %SpO₂, Pulse Rate, EtCO₂, Respiration Rate, Systolic, Diastolic, No Respiration
Fixed Alarms: Asystole, FICO₂ (> 3 mmHg)
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, %SpO₂, NIBP (Systolic, Diastolic and MAP or PR), EtCO₂ (mmHg, % or kPa), RR, Temp (in °F or °C)
Waveforms: Configurable (up to 3) ECG, SpO₂, Impedance Resp, CO₂
Sweep Speed: 12.5, 25, 50 mm/sec (ECG, SpO₂), 3.0, 6.25, 12.5 mm/sec (Resp, CO₂)

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.5A, L250V
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
 EN 60601-1, EN 60601-1-2, EN 60601-2-27,
 EN 60601-2-30, EN 60601-2-49, EN 864, EN 865
 UL Listed – UL 60601-1, CAN/CSA C22.2 No. 601.1
 CE Marking according to Directive 93/42/EEC