

750

Monitor from CAS

Designed with the leading technology you trust, this compact, portable monitor is ideal for a variety of patient monitoring applications including emergency care, transport, in-hospital applications, out-patient care and procedural sedation.

Small, Lightweight and Technologically Advanced.

At 4.4 lbs (2kg), the CAS 750 is one of the world's smallest and lightest multi-parameter monitors. It was especially designed for the way you work today. With this one small unit, you can monitor all the key parameters quickly and easily. Moving from one location to another is never a problem. We've incorporated only best-in-class technologies so you can count on unmatched reliability, accuracy and performance.



Featured Technologies:

- :: ECG (3 or 5 lead)
- :: Masimo SET® SpO₂
- :: MAXNIBP®
- :: Oridion MicroStream® EtCO₂
- :: Temp (YSI)



CAS 750 Multi-Parameter Monitor

Features

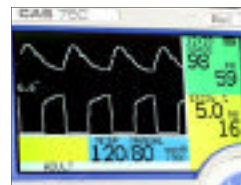
- Fully configured monitor with ECG, Respiration, Temperature, SpO₂, NIBP and EtCO₂, weighing only 4.4 lbs (2 kg)
- Pulse oximetry choices including Masimo SET[®] and Nellcor[®] OxiMax[™]
- MAXNIBP[®] (Motion Artifact Extraction) for fast, accurate and reliable blood pressure measurements
- Oridion MicroStream[®] EtCO₂ option for intubated and non-intubated patients
- Wireless (infrared) printer option
- Monitoring for Neonates to Adults
- User removable NiMH battery pack, internal AC 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

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: ± 1 BPM or $\pm 1\%$, 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 steady-state accuracy 20 minutes after power up
 Accuracy: 0-38 mmHg ± 2 mmHg
 39-99 mmHg $\pm 5\%$ of reading
 Resolution: 1 mmHg, 0.1 % or 0.1 kPa
 Respiration Rate: 0-150 breaths/min

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: Stand-by mode and 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: 6.75 in x 8.5 in x 4.0 in (17.0 cm x 21.5 cm x 10.2 cm)
 Weight: 4.4 lbs (2.0 kgs)

Operating Environment

Operating Temperature: 32 °F to 122 °F (0 °C to 50 °C)
 Storage Temperature: -4 °F to 140 °F (-20 °C to 60 °C)
 Humidity: 15 to 95% RH, non-condensing

Altitude: -500 to +10,000 feet (-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; 0.5A fuse
 DC (Optional): 12 VDC
 Battery: Smart 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 μ A (maximum)

Standards

ANSI/AAMI SP-10: 2002
 EN 60601-1, EN 60601-1-2, EN 60601-2-27, EN 60601-2-30, EN 60601-20-49, EN 864, EN 865
 UL Listed – UL 60601-1, CAN/CSA C22.2 No. 601.1
 CE Marking according to Directive 93/42/EEC

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Certificate Number FM34847
 ISO 9001/EN 46001

Products are CE marked
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