



## 10.4" Patient Monitor with etCO2-Option

Lightweight, compact, reliable

- Easy fixing to every standard hospital bedrail
- Suitable for the use in hospitals and for patient transports

Easy-to-use

- Adjusting knob for easy operation and selection
- Direct keys for frequent used functions
- Internet upgrade for the latest software installation

Excellent vital technology

- Arrhythmia analysis: VTAC, VFIB, ASYSTOLIC
- Pacemaker detection indicated on the ECG waveform display
- Usable for adult up to neonatal patient

- *Two invasive blood pressure channels (IBP)*
- *Microstream® etCO2 capnography (optional)*
- *10.4" colour TFT-Screen (800 x 600)*
- *VGA output connecting directly to an external monitor*
- *Visible alarm lamp handle*
- *Battery operation makes the device wireless for 2 - 3 hours*
- *Direct DC (12 - 18VDC) input during patient transport*
- *Easy fixing with hook-up on hand grip*

# SPECIFICATIONS

## Compact 7

### Monitor Performance Specification

**Display** 10,4" Colour TFT-Monitor (800 x 600)  
**Dimension** 238 (W) x 250 (H) x 163 (D) mm, Approximately 3.5 kg  
**Indicators** Up to 3 waves (ECG, SPO<sub>2</sub>, respiration)  
 Categorized alarms (3 priority levels)  
 Visual alarm lamp handle  
 Heart rate tone  
 Battery status  
 External power LED  
**Interfaces** DC input connector: 11 to 16 VDC, 3A max.  
 Defibrillator Sync Output  
 Signal Level: 0 to 5 V pulse  
 Pulse Width: 100±10 ms  
 LAN digital output for transferring data VGA  
**Battery** Internal battery: sealed lead-acid (standard) Battery status indicator  
 Operating time: 2.5 hours typically (fully charged battery)  
**Thermal** Speeds: 25, 50mm/ sec.  
**Printer** Paper Width: 58 mm  
**Graphical and Tabular Trends**  
**Tabular Trends** Memory Storage: 24 hours  
 Data Interval: 1, 5, 15, 30 min., and 1 hour  
 Tabular Format: one table for all variables  
**Graphical** Display duration: 30, 60, 90 min.  
**Trends** 3, 6, 12 hours  
**Standard** 3-lead patient cable 1 ea.

**Accessory** Electrodes 10 ea.  
 NIBP tubing, 3m long 1 ea.  
 Adult cuff 25-35 cm, reusable 1 ea.  
 SpO<sub>2</sub> sensor extension cable (2 m) 1 ea.  
 SpO<sub>2</sub> sensor, reusable 1 ea.  
 DC Adapter 18 VDC 2.5 A 1 ea.

**Optional** Temperature probe surface / skin,  
**Accessory** reusable (option)  
 Thermal paper (option)  
 5-lead patient cable

**etCO<sub>2</sub>** Oridion® Microstream  
**Method** Infrared absorption  
**Measurement range** 0~99 mmHg  
**Respiration range** 0~150 bpm  
**Accuracy** ± 2 mmHg, 0~40 mmHg  
 ± 5 %, 41~76 mmHg  
**Resolution** 1 mmHg  
**Apnea Alarm** Yes

**ECG**  
**Leads** 3 leads  
**Heart rate range** 30 to 300 bpm  
**Heart rate accuracy** ± 3 bpm  
**Bandwidth** 0.5 Hz to 40 Hz

**Display sweep speeds** 25mm/ sec.  
**ECG size (sensitivity)** 0.5, 1, 2, 4 mV / cm  
**Pacemaker** Indicator on waveform  
**Detection mode** display, user selectable  
**Differential** > 5 MΩ  
**Input impedance**  
**CMRR** >90 dB at 50 or 60 Hz  
**Input dynamic range** ± 5mVAC, ± 300mVDC  
**Defibrillator discharge** < 5 s  
**Defib. artefact recovery time** < 8 s  
**Arrhythmia analysis** VTAC / VFIB VTAC ASYSTOLIC  
 Lead-off Detection with display indicator

**SpO<sub>2</sub> % Saturation Range** 0% to 100 %  
**Pulse Rate Range** 30 to 300 bpm  
**SpO<sub>2</sub> Accuracy** 70 % to 100 % ± 2 digits  
 0% to 69% unspecified  
**Pulse Rate Accuracy** ± 3 bpm

**NIBP Technique** Oscillometric  
**Measurement Modes** Manual: Single measurement  
 Auto: Automatic intervals of 1, 2, 3, 4, 5, 10, 15, 20, 30 min. and 1, 2, 4, 8 hr.  
**Cuff Pressure Display** 30 to 300 mmHg  
**B.P. measurement**  
**Range Systolic** 60 to 250 mmHg  
 Mean Arterial Pressure: 45 to 235 mmHg  
 Diastolic: 40 to 220 mmHg  
 Adjustable Cuff Inflation Pressure

**Respiration Range** 5 to 120 breaths / min  
**Accuracy** ± 3 breaths / min  
**Display Sweep speed** 25mm/ sec.

**Temperature unit**  
**Range** 15 °C to 45 °C (59 °F to 113 °F)  
**Accuracy** 25 °C to 45 °C ± 0.1 °C  
 15 °C to 24 °C ± 0.2 °C  
**Compatible with** YSI Series 400 Temperature probes

**IBP Channels** 2  
**Measuring Range** -50 to 300 mmHg  
**Measuring Accuracy** +/- 1 mmHg +/- 1 digit (< 100 mmHg)  
**Pulse rate counting range** 0 to 300 bpm  
**Zero balancing range** +/- 200 mmHg  
**Accuracy** +/- 1 mmHg  
**Drift** +/- 1 mmHg over 24 hours  
**Transducer** Medical Econet GmbH  
**Sensitivity** 5 V/mmHg

All specifications are subject to change without notice