

The CONTEC CMS8000 is a 12.1" colour TFT multiparameter patient monitor with 15-language interface, ECG (5-lead, arrhythmia & ST analysis), NIBP, SpO₂, respiration and dual-channel temperature. Supports adult, paediatric and neonatal patients. 72-hour trend storage, USB data, network-ready. Optional IBP, CO₂, TMAP. CE certified. Available from Vital Medical SA.

12.1-Inch High-Resolution Multiparameter Monitor with 15-Language Interface

The CONTEC CMS8000 is a 12.1-inch TFT colour LCD patient monitor designed for comprehensive multiparameter monitoring in ICU, HDU, ward and theatre environments across all patient age groups – adult, paediatric and neonatal. The 15-language interface makes the CMS8000 accessible to multinational clinical teams and deployable in international healthcare settings without language barriers. Standard parameters include ECG with 5-lead acquisition (RA, LA, RL, LL, V; lead selection I, II, III, aVR, aVL, aVF, V), SpO₂ (0-99%, ±2% accuracy), NIBP (oscillometric, adult and paediatric/neonatal ranges), respiration (6-150rpm with apnea alarm at 10 rpm), and dual-channel temperature (1-50°C). All parameters display simultaneously on the colour TFT screen with trend graphs, big numerics, bar chart and freeze functions available.

72-Hour Trend Storage, USB and Network Data Management

The CMS8000 stores up to 72-hour parameter trends and 24-hour groups of IP data, with 48-hour review of ECG waveforms and software updating capability. A USB interface supports data transfer to external storage and analysis systems, and a network interface connects the CMS8000 to the CONTEC central monitoring station for multi-bed centralised monitoring from a nursing station. Audible and visual alarms with 7 physiological alarm levels and anti-arrhythmia alarms cover all parameters, with alarm events recallable for event review. Anti-electromagnetic interference and anti-weak filtering capability maintain signal quality in electrically noisy clinical environments. The monitor can be configured for anti-pacemaker interference for use with pacemaker-dependent patients.

Optional Parameters and South African ICU Applications

Optional parameters expand the CMS8000 into full ICU capability: dual-channel invasive blood pressure (IBP) for ART, PA, CVP, RAP, LAP and ICP monitoring; EtCO₂ (side-stream, 0.1mmHg/0~99mmHg range); and TMAP. A dual rechargeable battery supports uninterrupted monitoring during power interruptions and patient transport. The CMS8000 meets FDA certification requirements in the Americas and CE certification in Europe. Vital Medical supplies the CONTEC CMS8000 to South African ICUs, high care units, theatres and specialist monitoring environments requiring a high-specification multiparameter monitoring solution with advanced data management and optional parameter expansion.

Technical Specifications

Specification	Detail
Brand	CONTEC
Model	CMS8000
Type	Multiparameter Patient Monitor
Display	12.1" TFT Colour LCD
Language	15 languages
Standard Parameters	ECG, SpO ₂ , NIBP, Respiration, Temperature (dual-channel)
Optional Parameters	2-IBP, EtCO ₂ (side-stream), TMAP, Network
ECG	5-lead (RA, LA, RL, LL, V); leads I/II/III/aVR/aVL/aVF/V; arrhythmia analysis; ST detection
SpO ₂	0~99%; ?2% (0~69% unspecified)
NIBP	Oscillometric; Adult 40~135/DIA 10~90; Paediatric/Neonatal ranges; Manual/Auto/STAT
Respiration	0~120rpm; apnea alarm 10rpm
Temperature	1~50°C dual-channel; ?0.1°C
Trend Storage	72 hours
Data Connectivity	USB, Network
Patient Population	Adult, paediatric, neonatal
Certifications	CE, FDA

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