

Heal Force Patient Monitor Series

Genius-15D

CSI & Multi-Parameter Patient Monitor

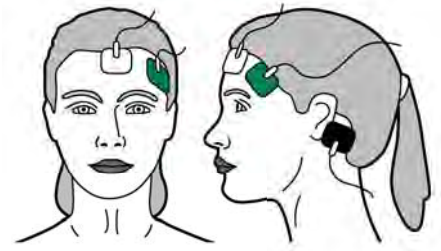


Heal Force leads you to healthier life

Genius-15D CSI & Multi-Parameter Patient Monitor

Features

- 15" high resolution color LCD screen
- Monitoring standard parameters of ECG, SpO₂, RESP, NIBP, TEMP & PR
- CSM module to monitor parameters of CSI, EEG, EMG and BS% with alarm
- Non-invasive monitoring level of consciousness, especially for anaesthesia
- A portable handset with wireless connection to main unit for data processing
- Optimized NIBP modes for adult, pediatric & neonate
- Automatic analysis of 20 arrhythmia waveforms
- S-T segment with automatic & manual analysis
- Digital SpO₂ technology with anti-motion & anti-low infusion
- Trend data analysis for 8/24/120 hours
- Store & review 400 groups of data & 10-hour ECG waveforms
- Protection against interference from defibrillator & electrosurgical unit
- Removeable rechargeable battery
- Built-in thermal printer



Technical Specifications

CSI(Cerebral State Index)

EEG Sensitivity	±400µV
Noise Level	<2µVp-p, <0.4µV RMS, 1~250Hz
CMR	>140dB
Sample Rate	2000 samples per sec. (14 bit equiv.)
CSI & Update	0~100, filter 6~42Hz, 1sec. update
EMG	0~100 logarithmic, filter 75~85Hz, 1sec. update
BS%	0~100%, filter 2~42Hz, 1sec. update
Digital Output	Wireless to RS232 link (ISM 2.4GHz)
Wireless Range	Up to 10 metres

SpO₂

Transducer	Dual-wavelength LED
SpO ₂ Measuring Range	35~100%
SpO ₂ Measuring Accuracy	±3% (50~100%)(RMS of difference)
Low Perfusion Capability	0.4~5%
Pulse Rate Measuring Range	30bpm~240bpm
Accuracy of Pulse Rate	±2% or ±2bpm, whichever is greater

NIBP

Measurement Method	Intelligent oscillometric method	
Working Modes	Manual, automatic & STAT	
Monitoring Range	Adult	Systolic 40~255mmHg
		Mean 20~215mmHg
		Diastolic 10~195mmHg
	Child	Systolic 40~200mmHg
		Mean 20~165mmHg
		Diastolic 10~150mmHg
	Neonate	Systolic 40~135mmHg
Diastolic 10~95mmHg		
NIBP Accuracy	Maximum mean error ±5 mmHg	
	Maximum standard deviation 8 mmHg	

RESP

Measurement Range	0~120bpm
Accuracy	±5% or ±2bpm, whichever is greater

TEMP

Range	25.0~45.0°C
Accuracy	±0.2°C

ECG

ECG Amplifier Bandwidth	Monitoring mode:0.5~40Hz Diagnosis mode:0.05~75Hz	
CMRR	≥89dB	
Heart Rate	Range	20~300bpm
	Accuracy	±1% or ±2bpm, whichever is greater
ECG Gain	1/2	5 mm/mV @ ±5%
	1	10 mm/mV @ ±5%
	2	20 mm/mV @ ±5%
ECG Sweeping Speed	12.5mm/s, 25mm/s, 50mm/s @ ±10%	

General Specifications

Power Supply	100~250VAC, 50/60Hz
Display Mode	15 inches TFT color LCD
Alarming Mode	Audible & visible alarm
Communication	Ethernet port
Battery	Rechargeable lead-acid battery
Data Recording	Built-in thermal printer

Standard Configurations

CSI, BS%, EEG, EMG, SQT, ECG, HR, RESP, NIBP, SpO ₂ , PR, TEMP, Battery, built-in thermal printer
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Optional Modules

1-channel IBP, 2-channel IBP, sidestream CO ₂ , mainstream CO ₂



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