Specification: C30-V



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Share With The World

Patient Monitor

C30-V

Standard Configuration:

ECG, HR, PR, RESP, Suntech NIBP, Nellcor SpO2, 2-TEMP Socket, EtCO2 Socket

Optional:

Mainstream / Sidestream EtCO2, Extra battery, Packet

Safety Standards

MDD 2007/47/EC, Directive 2011/65/EU, IEC 60601-1, IEC 60601-1-2, IEC 60601-1-6, IEC 60601-1-8, IEC 60601-2-27, IEC 60601-2-30, IEC 60601-2-49, IEC 60601-2-56, IEC 60601-2-61

Physical Characteristics

Size:	190mm×82mm×105mm
Weight	1.5 kg
Screen Size:	4.3" TFT touch screen
Resolution	480 × 272
IP grade	IPX1
Waveforms:	2 waveforms

Operation Environment

Temperature: 5-40°C ≤93% Humidity: Power requirement: 100-240V~, 50/60Hz Battery Type: Rechargeable Lithium-ion battery **Battery Capacity:** 2600mAh **Battery Recharging** Maximum 6 hours for charging; Time: 2 hours for continuous working Battery backup: Brightness: Manual from 10 to 100 **Indicator:**

Two alarm indicators Power indicator **Battery indicator** QRS beep and alarm sound Operating key sound, Key backlight



Interfacing

DC power input RJ45 network interface Parameter cable interface Multi-functional connector

Date storage

Alarm Event Recall:
Wave Recall:
NIBP Recall:
Trend Graph:
Trend Table:
Power-off
storage:
Alarm:

200 groups 48 hours (8 waves) 2000 groups 160hours 160hours

Yes User-adjustable High and Low 3-level Limits; Prioritized audible and visual alarm

Respiration

Method:	RA-LL Imped
RR measurement	
range:	Horse: 0-120
	Dog/Cat: 0 -1
Accuracy:	7-150rpm: ±2
	(whichever is
	0-6rpm: unsp
RESP Apnea	Horse: 10s-6
	Accuracy: 5s
Alarm:	Audible and
	events review
Sweep Speed:	6.25,12.5, 25
Gain Selection:	X0.25, X0.5, X
ECG	
Lead Type:	Cardio Tec [™]
	and 3 lead se
Lead selection:	5-lead: I; II; II

lance Method

Horse: 0-120rpm
Dog/Cat: 0 -150bpm
7-150rpm: ±2rpm or ±2%
(whichever is greater)
0-6rpm: unspecified
Horse: 10s-60s Dog/Cat: 10s~40s
Accuracy: 5s
Audible and visual alarm; alarm
events reviewable
6.25,12.5, 25 mm/s
X0.25, X0.5, X1, X2, x4
Cardio Tec^{TM} 5-leads ECG Analysis,
and 3 lead selectable

III; aVR; aVL; aVF; V



Waveform	5-lead: 2 -channel	Measurement	
Gain Selection:	X0.125, X0.25, X0.5, X1, X2, X4,	types:	Systolic, Diastolic, Mean
Gam Selection.	auto error $<\pm5\%$	Range of systolic	Systeme, Diastone, Mean
Sweep Speed:	6.25,12.5, 25, 50mm/s, error $\leq \pm$	pressure:	Horse Mode: 40-270mmHg
Sweep Speed.	10%		Dog Mode: 40-200mmHg
Resp, lead	20//		Cat Mode: 40-135mmHg
disconnection		Range of diastolic	
		pressure:	Horse Mode: 10-215mmHg
detection and	AC waveform:	•	Dog Mode: 10-150mmHg
active noise	Current :<0.1µA;		Cat Mode: 10-100mmHg
control:	Frequency 64kHz, ±10%	Range of mean	
Heart Rate		pressure:	Horse Mode:20-235mmHg
measurement			Dog Mode:20-165mmHg
Range:	Horse: 15~300bpm		Cat Mode 20-110mmHg
	Dog/Cat:15~350bpm	Static pressure	
Accuracy:	\pm 1% or ±1bpm (whichever is	range and accuracy:	
	greater)		0~300mmHg(0kPa~40.0kPa)
Protection:	Withstand 4000VAC/50Hz voltage		±3mmHg(±0.4kPa)
	in isolation, Again electrosurgical	Over-pressure	
	interference and defibrillation	protection:	
Accuracy:	\pm 1% or ±1bpm (whichever is	Initial pressure	
	greater)	range(mmHg):	
Band width:	Monitoring Mode: 0.5-40Hz	Alarm:	Systolic, Diastolic, Mean
	Diagnosis mode: 0.05-150Hz	PR from NIBP:	Measurement & alarm range: 40-
	Surgery mode:1-20Hz		240bpm
	ST mode: 0.05-40Hz		Resolution: 1bpm
ST SEGMENT			Accuracy: ±3bpm or ±3%,
detection:	-2.0mV~+2.0mV (Automatic)		whichever is greater
Arrhythmia		Nellcor SpO ₂	
Analysis:	26 types	Measurement	
Pacemaker		range:	0~100%
detection:	Detectable	Alarm range:	20~100%
Alarm:	Yes, audible and visual alarm,	Resolution:	1%
	alarm events reviewable	Accuracy:	±2% (70~100%, Ped/Adu, non-
12 lead ECG			motion)
Analysis:	Yes		±3% (70~100%, Neo, non-motion);
NIBP			0-69% unspecified
Method	Automatic oscillation	PR Measurement	
Work mode:	Manual / Automatic/Continual	Range:	20~300bpm
	(5min, not applicable to neonates)	Resolution:	1bpm
Measurement		Accuracy:	±3bpm (20~250bpm)
Time:	Adjustable (1-480min)		251~300bpm unspecified
Measurement Unit:		Alarm range:	20~300bpm
	mmHg / kPa selectable	Masimo SpO2	



Measurement &	1~100%	EtCO ₂	
alarm range	1 100/0	Unit:	mmHg, kPa
Resolution:	1%	Measurement	inining, ki a
Accuracy:	±2% (70~100%, Ped/Adu, non-	range:	0mmHg~150mmHg
Accuracy.	motion	Resolution	1mmHg or 0.1kPa or 0.1%
	±3% (70~100%, Neo, non-motion);	Accuracy	0mmHg ~40mmHg should
	1-69% unspecified	Accuracy	be±2mmHg;
Alarm range	1~100%		41mmHg ~70mmHg should
_	1 100%		be±5%×reading;
PR Measurement			71mmHg ~100mmHg should
Range	25~240bpm		be±8%×reading;
Resolution:	1bpm		_
Accuracy:	±3bpm (non-motion)		6 6
	±5bpm (motion);	0	be±10%×reading
Alarm range:	25~240bpm	Oxygen	0. 100 mm/
Perfusion index:	0.02~20%	compensation	$0\sim$ 100 mmHg
	Resolution: 0.01% (within	Equilibrium gas	Helium, room air, nitrous oxide
	0.02%~9.99% range) or 0.1%		
	(within 10.0%~20.0% range)		
Temperature			
(Dual Channel)			
Measurement &			
alarm range:	0~50°C		
TEMP sensor:	Standard configuration-		
	rectal TEMP sensor		
Resolution:	0.1°C		
Accuracy:	±0.1°C (exclusive of error of		
Channel type:	sensor)		
	T1, T2, TD (Temperature		
	Difference)		
			at a second to share the second state and second

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