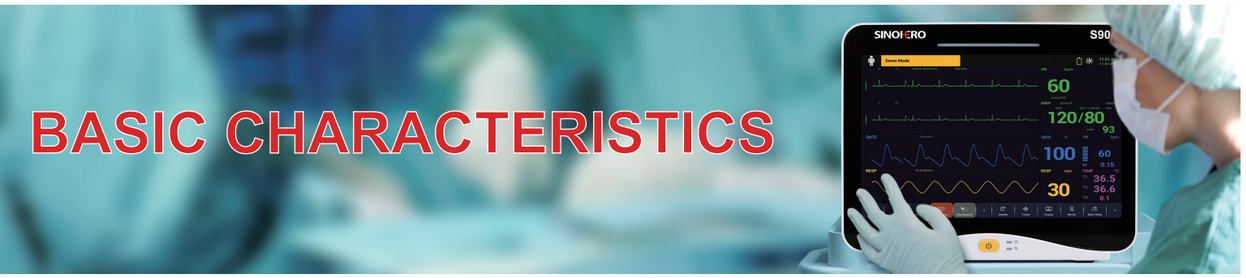
Technical Specification

S90



BASIC CHARACTERISTICS

HD display	Full-screen HD display ,1280*800 resolution HD screen
Portable	The machine is small and portable, with a hidden handle designed for an ergonomic appearance
Gesture Operation	Gesture operation - multi-touch screen supports multiplegesture operations
Reliable	Constructed by sturdy materials case highly resist for critical environmental influence, also reduces electromagnetic interference that disrupt measurements, very suitable for long time monitoring
Emergency Mobile Sever	Emergency mobile sever- Ensure the seamless transport monitoring and data transfer through the entire medical care
Accurate	With advanced algorithm for automatic measurements and interpretation, ensure good reading and accurate during different situation
Smart	Smart and user-friendly operation system, with the quick start capability and one-button workflow
Professional	Complying professional high level standards, using high quality measurement accessories
Wide Viewing Screen	Wide viewing screen- can be viewed from any angles
Connectivity	Built-in case database management system which can store 1000 cases, standard USB export also can review the records, analyse and print the reports

Various Mounting Solutions

Wide range of mounting solutions such as trolley, wall mount etc to fit for various clinical needs

Specification subject to be changed without prior notice.

SINOHERO
touching for life

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Version: V2.0

MULTI-PARAMETER PATIENT MONITOR

touching for life

S90

ISO13485

SINOHERO

Technical Specification

Display	
● Screen & Resolution:	12.1 inch, 1024*768 pixels
● Waveform:	7 lead wave form for standard configuration
● Indicator:	Alarm indicator, power indicator, battery indicator, pulse rate sound, alarm sound
● Port:	Specification port, AC port, LAN port, USB port
● Size:	295mm*265mm*180mm
● Weight:	N.W.2.80Kg
NIBP	
● Measurement Method:	Oscillation
● Measurement Mode:	Manul/Auto/Continuous
● Pressure Unit:	mmHg/Kpa
● Measurement Parameter:	Systolic, Diastolic, Mean
● Systolic Range:	ADU: 30~260mmHg; PED: 30~200mmHg NEO: 30~135mmHg
● Diastolic Range:	ADU: 20~220mmHg; PED: 20~165mmHg NEO: 20~100mmHg
● Mean Range:	ADU: 20~230mmHg; PED: 20~165mmHg NEO: 20~110mmHg
● Accuracy:	±3mmHg
● Double Overvoltage Protection	
TEMP	
● Range:	0~50℃
● Resolution:	0.1℃
● Accuracy:	± 0.1℃
● Dual Channels	
RESP	
● Measurement Method:	Impedance Breathing
● Range:	0~120RPM
● Choking Alarm:	20s~60s optional, internval 5s

ECG	
● Lead:	3/5 lead
● Waveform:	2 channel
● Gain:	AUTO, 2.5 mm/mV, 5.0 mm/mV, 10 mm/mV 20 mm/mV, 40 mm/mV
● Speed:	12.5mm/s, 25mm/s, 50mm/s
● HR Range:	15-300BPM(AUD),15-350BPM(PED/NEO)
● Filter Mode:	Dia(0.05~100Hz), Mon(0.5~40Hz), Sur(1~25Hz)
● Protection:	Anti-electric knife, Anti-defibrillation protection 5000V isolation strength
● ST Diagnosis:	-2.5mV~2.5mV, Arrhythmia analysis Pacing detection
SPO2	
● Range:	(0~100%); Resolution(1%)
● Accuracy:	±2%(70~100%)
● PR:	Range(30~250BPM), Accurate(± 2BPM)
IBP	
● IBP:	Range: -50~400mmHg Accuracy: ± 3mmHg(0~40mmHg)
● Supports Multiple Measurement Modes:	ABP, CVP, ICP, LAP and so on
● Pulse Rate Range:	20~254BPM, Accurate: ±2RPM
● Support dual-channel IBP simultaneous measurement	
CO2	
● Mode:	Main stream/side stream
● Range:	0~150mmHg
● Accuracy:	±2mmHg(0-76mmHg) ±5%(77-150mmHg) ± 8%(101~150mmHg)
● Respiratory Rate Range:	0~150RPM; Accuracy: ±2RPM
● Sampling Flow:	50ml/Min

AG Gas	
● Mode:	Main stream/side stream
● ISO:	Range: 0-5% Accuracy: 0.15Vol%+ reading 5%
● SEV:	Range: 0-8% Accuracy: 0.15xVol%+reading 5%
● CO2:	Range: 0-20% Accuracty: 0.20Vol%+ reading 5%(0~5%) 0.20Vol%+ reading 8%(5.1~20%)
● RESP:	Range: 0~120RPM Accuracy: ±2RPM
● Sampling Flow:	50ml/Min
● Anesthetic gas ID automatic identification	
● Automatic recognition time is less than 20s	

Product Appearance

Interface

Touch Screen

Handle and Storage Design

Product Configuration

Standard Configuration

● ECG, SpO2, NIBP, RESP, TEMP, PR

Optional

2-TEMP, Thermal Recorder, 2-IBP, Side(Micro)Stream EtCO2

MainStream EtCO2, Masimo SpO2, AG/Multi-gas, CO, HL7, WIFI