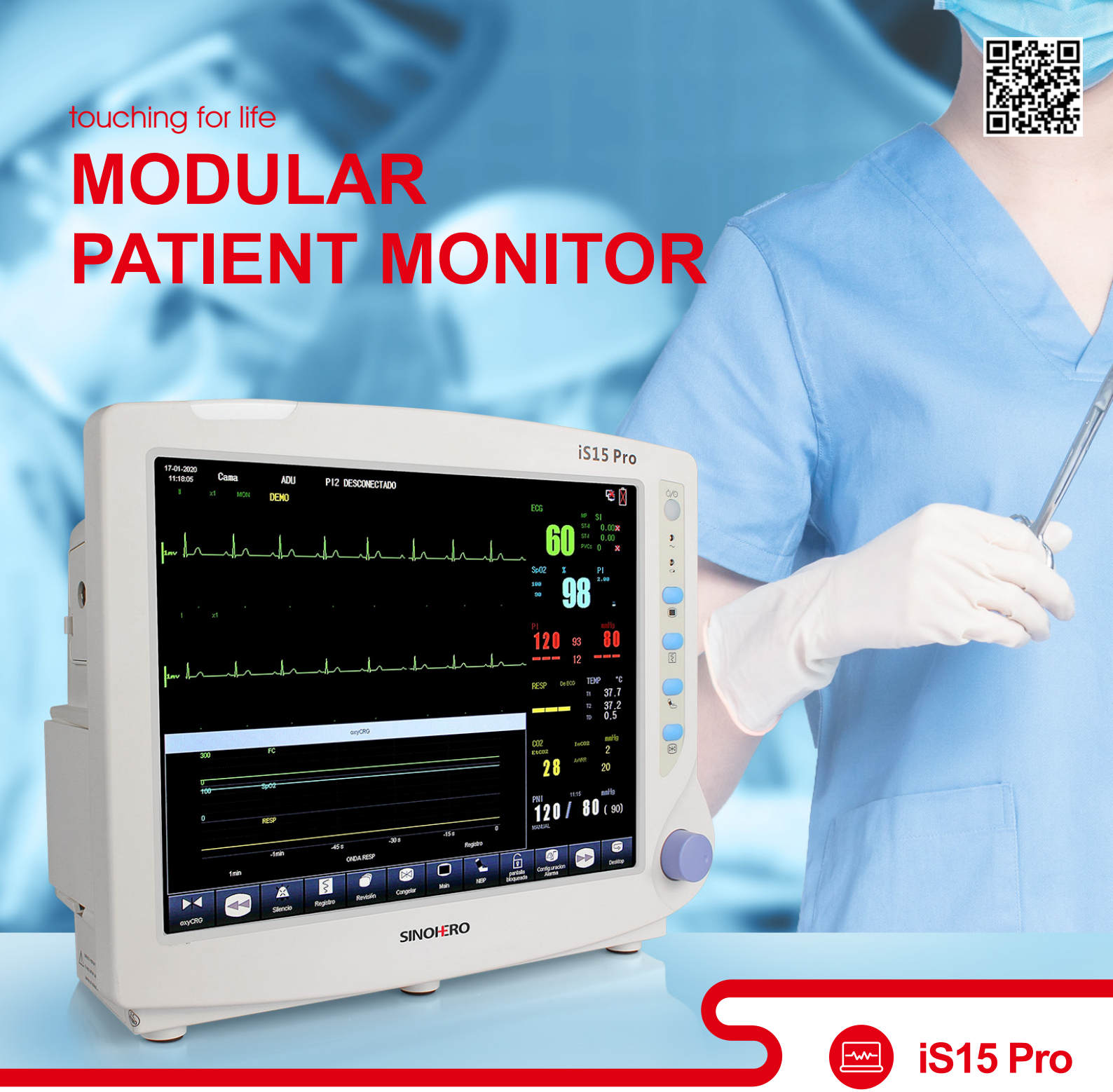
touching for life

MODULAR PATIENT MONITOR



iS15 Pro

Features:

- 15”High-resolution Full Touch Screen
- Modular design for flexibility and freedom to pre-configure and major monitoring parameters
- Friendly interface ensures efficient operations during the surgery
- Optional VGA output for slave display in OR
- High-end Parameters: SunTech NIBP,CO,EtCO2,AG
- Exceptional connectivity by high-speed cable or wireless Networking

CE 0123

SINOHERO

Technical Specification

iS15 Pro

Technical Specifications

Safety
IEC60601-approved, CE marking to MDD93/42/EEC

Dimension and Weight

Dimension:	404(W)×327(H)×188(D)mm
Weight:	6.3kg

Operation Environment

Power Requirement:	AC100-240V, 50/60Hz,140VA,1.4A-0.59A
Temperature	0℃～40℃
Humidity	15%～80% (non-condensing)
Patient range	Neonate, pediatric and adult patient
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Display:	15" Color TFT LCD Rolling and refreshing waveform display Resolution:1024*768 Multi displays selectable, including Standard display Trend coexist display Large-font display OxyCRG dynamic view display
Trace:	7 traces Sweep speed:12.5mm/s,25mm/s,50mm/s
Indicator:	Alarm indicator light Power indicator light Battery indicator light QRS beep and alarm sound
Interface:	Parameter cable interface AC Power input socket Network interface External VGA interface for connection
Li-ion Battery: (one piece)	Rechargeable 8 hours for charging (to 90% battery capacity) 2 hours for continuous working
Trend time:	168 hours
Alarm:	User-adjustable High, Medium, and Low limits 3-level audible and visual alarm
Networking:	Connected to central station system

Recorder:

	Thermal array Waveform: 2 Channel (standard) Real time recording Paper width: 50mm Print speed: 25mm/s

ECG

	3-Lead or 5-Lead selectable
Input:	3 leadwire cable:RA;LA;LL or R;L;F 5 leadwire cable:RA;LA;RL;LL;V or R;L;N;F;C
Lead selection:	3-lead: I,II,III 5 lead:I，II，III，AVR，AVL，AVF, V
ECG Waveform	2 channel
Gain selection	×0.25,×0.5,×1,×2,x4,Auto
Sweep speed	12.5mm/s, 25mm/s, 50mm/s
Heart Rate for Neonate	15-350BPM
Heart Rate for Adult/Pediatric	15-300BPM
Accuracy	1bpm or 1%, whichever is greater
Resolution	1bpm
Filter	Diagnostic mode:0.05-100Hz Monitor mode:0.5-40Hz Surgical mode:1.0-25Hz
Protection	Withstand 5000VAC/50Hz Voltage in isolation Against electrosurgical interference and defibrillation
Alarm range:	Neonate:15-350bpm Adult/Pediatric:15-300BPM
ST segment detection:	Measurement range: -2.0mv to 2.0mv Alarm range: -2.0mv to 2.0mv
Arrythmia analysis:	Yes
Alarm	Yes,audible and visual alarm, alarm event recallable
Pace detection	Yes
Drug dose calculation	Yes
Standby mode	Yes

Respiration

Method	Thoracic impedance
Measurement range	Neonate/Pediatric：0~150rpm Adult：0-120rpm
Apnea alarm	No alarm,10s,15s,20s, 25s,30s,35s, 40s selectable
Alarm	Yes, audible and visual alarm, alarm events recallable

NIBP

Method:	Oscillometric
Measurement modes:	Manual/Automatic/Continuous
Displayed parameters	Systolic, diastolic and MAP(mean arterial pressure)
Auto measure time:	Adjustable
Measurement unit	mmHg/kPa selectable
Measurement type:	Systolic, Diastolic, Mean
Range of Systolic pressure	Adult: 40-270mmHg Pediatric：40-200mmHg Neonate：40-135mmHg
Range of Diastolic pressure	Adult: 10-210mmHg Pediatric：10-150mmHg Neonate：10-100mmHg
Range of Mean pressure	Adult: 20-230mmHg Pediatric：20-165mmH Neonate：20-110mmHg
Accuracy	±6mmHg
Resolution:	1mmHg
Alarm:	Systolic, Diastolic ,Mean
Over-pressure protection:	Double safety protection

SpO2

Masimo SpO_2	
Measurement range:	0%~100%
Resolution:	1%
Accuracy:	±2%(70%-100%); unspecified(0-69%)
Alarm range:	0~100%
Pulse Rate	Range:20~254bpm Resolution:1bpm Accuracy:±3bpm Alarm range:0~254bpm

Temperature

Measurement range:	0~50℃
Resolution:	0.1℃
Accuracy:	±0.1℃
Channel:	T1、T2、TD

IBP

Channels	1 or 2 selectable
Measurement range	-50~400mmHg
Resolution	1mmHg
Alarm:	Systolic, Diastolic ,Mean
Over-pressure protection:	Double safety protection

ETCO2

Measurement range	0-99mmHg
Accuracy	0 to 40mmHg ±2mmHg 41 to 76mmHg ± 5mmHg 77 to 99mmHg ±10mmHg
Sample flow rate	Minimum: 50ml/m-7.5ml/m Maximum: 50ml/m+15ml/m
Start-up time	<1min,once the module starts up, it reaches ISO After 1 min,enter the full accuracy mode
Respiration rate	0 to 120rpm
Respiration rate accuracy	±2 rpm
Response time	<240msec（10% to 90%）

Cardiac Output

Method:	Thermodilution
Measurement rage:	CO:0.1-20L./min. TB: 23-43℃ TI:0-27℃
Resolution:	CO:0.1/min. TI:0.1℃ TB: 0.1℃
Accuracy:	CO:±5% TB: ±0.1℃ TI: ±0.1℃
Parameter output:	Cardiac output Hemodynamics calculation

Multi-gas/O2

Method:	Infrared Absorption
Gas accuracy:	CO2:0 to 15vol%, ±(0.2vol%+2% of reading) 15 to 25vol%, Unspecified N2O:0~100vol%, ±(2vol%+2% of reading) O2:0~100vol%,±(1vol%+2% of reading) Enf,Iso,Hal:0~8vol%, ±(0.15vol%+5% of reading) 8 to 25vol%, Unspecified Sev:0~10vol%,±(0.15vol%+5% of reading) 10 to 25vol%, Unspecified Des:0~22 vol%,±(0.15vol%+5% of reading) 22 to 25vol%, Unspecified
Data output:	Fi and Etvalues
Respiration rate:	0 to 150 ±1breaths/min
Other:	Up to 5 simultaneous gas concentration waveforms Agent mixture detection MAC value displayed

Standard Configuration:ECG,SpO_2,NIBP,TEMP,PR/HR,RESP

Optional Functions:$EtCO_2$,2IBP,C.O., Multi-gas/O_2, Recorder,12 lead ECG

Specification subject to be changed without prior notice.

SINOHERO
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