XH-60 series
Patient Monitor

Prime Innovation for Medical Application

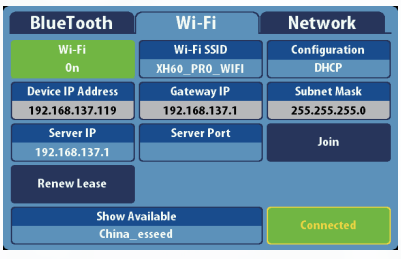
Overview

XH-60 series Patient monitor has been designed to serve frontline caregivers in emergency, perioperative care and ICU/NICU departments.

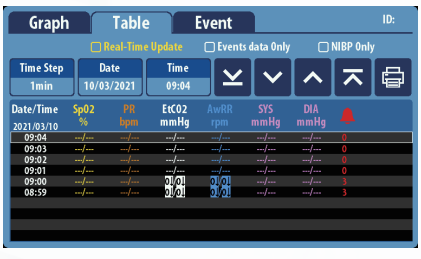
With its accurate oximetry adapted for adult as well as neonate, it provides a continuous and accurate monitoring of the SpO_2 and PR even in case of low perfusion.

Its handle and lightweight make it easy for trans port use while its 4 stable feet allow a reliable use as bedside monitor.

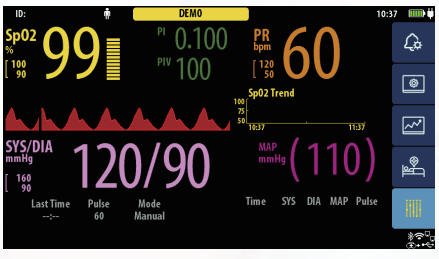
Cost effective, it remains a comprehensive device for multiple applications and environments.



Connectivity Ability



Historical Management



Powerful Parameter Measurement

For more information, please contact us: **sales@szwitleaf.com**

Witleaf

Multi-scenario application

Operating room

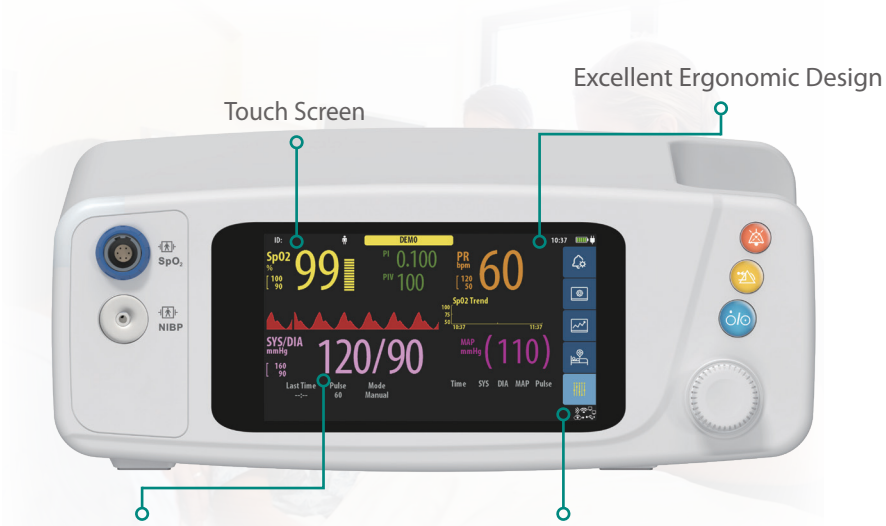
ICU

Out-of-hospital emergency

Transport hospital

Features

- Equipped with high-performance blood oxygen, blood pressure, end-respiratory carbon dioxide module technology independently developed by witleaf
- Small and easy to use, easy to carry, ideal for surgery, emergency, physical examination, social health and other environments
- It is equiped with a 5' TFT display and the display panel is inclined at 15°, which is convenient for doctors to view .
- Multiple models, standard configuration SpO_2 , select configuration NIBP、 $EtCO_2$.
- RS232 serial port data transmission function .
- With USB data interface, support U disk upgrade system function
- Equipped with a built-in rechargeable lithium battery to meet the needs of medical visits and emergency vehicles
- Support network transmission, can be connected to the central monitoring workstation
- 72-hour data storage , uninterrupted recording trend data, with dual alarm function of sound and light , alarm parameters can be adjusted .



Easily interpretable display of blood pressure measurements

WIFI and Bluetooth provide compatibility with a variety of advanced connectivity solutions

CanoSET®

TiniStream®

Vital Signs at a giance

XH-60A
SpO2
PR
NIBP

XH-60B
SpO2
PR
EtCO2(External SideStream)

XH-60C
SpO2
PR
EtCO2(MainStream)

XH-60D
SpO2
PR

XH-60E
SpO2
PR
NIBP
EtCO2(TiniStream®)

XH-60F
SpO2
PR
EtCO2(SideStream)

XH-60T
SpO2
PR
EtCO2(TiniStream®)

XH-60A(T)
SpO2
PR
TEMP
NIBP

Specifications

SpO_2	AwRR
Range: 0~100%	Range: 0~150rpm
Accuracy: ±2%(70%~100%)Undefined (＜70%)	Accuracy: ±1rpm(0~70rpm)Undefined(wihin other ranges)
Resolution: 1%	Resolution: 1rpm

PR	TEMP
Range: 25~300bpm	Range: 0-50°C
Accuracy: ±3bpm	Accuracy: ±0.1°C
Resolution: 1bpm	Resolution: 0.1

NIBP

- Method: *Automatic oscillometric*
- Operation modes: *Manual, Automatic, Continuous*
- Automatic mode measurement interval: *1min/2min/3min/4min/5min/10min/15min/30min/60min/90min/2h/3h*
- Continuous mode measurement period: *5mins, with 5s between each measurement*
- Maximum single measurement time: *<120s*
- Measurement range: **Systolic BP:** *Adult mode:* 40 ~ 270 mmHg, *Pediatric mode:* 40 ~ 200 mmHg,
  Diastolic BP: *Adult mode:* 10 ~ 210 mmHg, *Pediatric mode:* 10 ~ 162 mmHg,
  MAP: *Adult mode:* 20 ~ 230 mmHg, *Pediatric mode:* 20 ~ 175 mmHg
- Accuracy: **Mean error:** *<±5mmHg*, Standard deviation: *<8mmHg*
- Static pressure measurement range: *0 mmHg (0kPa) ~ 300mmHg (39.9kPa)*
- Static pressure measurement accuracy: *±2mmHg or ±1% of reading (Whichever is greater)*
- Resolution: *1 mmHg*
- Initial inflation pressure setting range: *Adult mode: 80 ~ 280 mmHg, Pediatric mode: 80 ~ 210 mmHg*
- Initial inflation pressure default: *Adult mode: 160 mmHg, Pediatric mode: 140 mmHg*
- Software over-pressure protection: *Adult mode: 297 ±3mmHg, Pediatric mode: 240 ±3mmHg*
- Alarm range: **Systolic BP:** *Adult mode: 40 ~ 270 mmHg, Pediatric mode: 40 ~ 200 mmHg,*
  Diastolic BP: *Adult mode: 10 ~ 210 mmHg, Pediatric mode: 10 ~ 162 mmHg,*
  MAP: *Adult mode: 20 ~ 230 mmHg, Pediatric mode: 20 ~ 175 mmHg*

Capnography

- Method: *Infrared radiation absorption technology*
- CO_2 measurement range: *0 ~ 20 Vol%*
- Accuracy: *0 ~ 12 %: ± (0.2 Vol% + 2% of reading), 12 ~ 20 % : ± (0.2 Vol% + 6% of reading)*
- Measurement accuracy drift: *accuracy requirements within 6 hours*
- Resolution: *0.1 Vol%*
- Accuracy: **Mean error:** *<±5mmHg, Standard deviation: <8mmHg*
- Apnea alarm delay time: *20s, 25s, 30s, 35s, 40s, 45s, 50s, 55s, 60s*
- Alarm range: *EtCO2: 0 ~ 150mmHg, FiCO2: 0 ~ 150mmHg, awRR: 0 ~ 150rpm*

Compliance

Standards	IEC 81060-1:R 2013
	IEC 80601-2-61:2017
	IEC 80601-2-61:2017

Physical parameter

Operating Environment

Operating temperature : 0-40°C

Operating humidity : 15%~95%RH,non-condensing

Power Supply:AC100~240V(±10%)

(50Hz/60Hz)±3Hz,60VA

Mechanical

Dimensions: 255*140*95mm (LxWxH)

Weight: ＜ 2 kg (without accessories)

Interfaces

Connectlvlty

- *USB interface*
- *RS232 interface*
- *Connected to central monitor via RJ45 .*
- *Bluetooth Printer*
- *Ethernet Port*

HMI

- *Optional : 6 models of configuration options*
- *Display: 5" Color TFT LCD, 800 x 480pixels*
- *Audio/Visual Indicators: Alarm limit reached, Alarm tone, Alarm mute, pulse strength, Patient name, Patient Type, Time, battery status, connection status.*
- *LEDs: Adult, Neonate, Pressure Unit or SpO2/PR (according to model), battery in use, battery charging, silenced alarm.*
- *User Interface language: English (additional language upon request).*

Ordering

Descrlptions

- *Optional non contact infrared Fast TEMP probe with cable*
- *Optional Bluetooth thermal printer with one thermal paper roll*
- *Optional Roll stand fixed height, locking wheels, with basket, with or without tilt*

Patent

SpO_2

Patent

Patent No: ZL 2019 1 0907433.8
ZL 2019 2 1510989.5
ZL 2019 2 1596814.0

RESP

Patent

Patent No: ZL 2014 1 0429201.3
ZL 2014 2 0489133.5
ZL 2021 2 0480587.6

$EtCO_2$

Patent

Patent No: ZL 2018 1 0713045.1
ZL 2018 1 0713152.4
ZL 2020 2 1177039.8
ZL 2019 2 0722093.7
ZL 2017 2 0804416.8
ZL 2017 2 0293754.X

ECG

Patent

Patent No: ZL 2015 0484280.2
ZL 2019 1 0064711.8
ZL 2017 1 0691935.2
ZL 2021 2 0480587.6

Software copyright patent

Patent No: 2017SR071272

* The data is subject to change without notice. Please refer to the manual for the contraindications and precautions

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