



Wellmed Pro | Wellview Universal Group

TECHNICAL DATA SHEET

15 Inches Multi-parameter Monitor YSF15

High Performance 15 Inches Multi-parameter Monitor YSF15 Price

Features

- 15" color TFT LCD screen supports display max. 11 waveforms
- Personalized voice reminding alarm; Visual On-display and integrated alarm light
- Display mode: Standard, Large Font, NIBP Trend, Trend Table, Full lead ECG, Oxy CRG.
- Drug calculation and titration table
- Real time ST segment analysis, pace maker detection and Arrhythmia analysis,
- Extended advance function: IBP, IOC, EtCO₂, Multi-gas/O₂
- Suitable for monitoring adult, pediatric and neonatal patient.
- Supporting storage of 720 hours patient data, 1000 NIBP records and 500 alarm event.
- Internal lead-acid battery
- Multi-language: Chinese, English, Spanish, Portuguese, Russian, French, German, Czech, Danish, Dutch, Finland, Italian, Polish, Turkish

Standard Configuration:

- Anti-glare big screen, rechargeable lead-acid battery, 3/5-Lead ECG, Respiration, NIBP, SpO₂, Pulse Rate, Temperature

Optional Configuration:

- 2IBP, Nellcor SpO₂, Depth of Anesthesia Monitoring Module, EtCO₂ (Main-stream/Side-stream/Micro-stream CO₂), Multi-Gas/ O₂, Pitch Tone
- VGA, Thermal printer (50 mm)
- Roller stand with locking castors and intergrades castors
- Pediatric / neonatal accessories: reusable NIBP cuff & SpO₂ probe; disposable NIBP cuff & SpO₂ probe

Physical Specifications

Dimension and weight

Dimension

330mm(W)*260mm(H)*140mm(D)

Weight

standard configuration: 4 kg

Operation environment

Power requirements

AC 90-300V, 50/60HZ, 60W

Power

90VA

Temperature

0-40°C

Humidity

0-93% non-condensing

Safety

Meet the requirements of IEC60601 series

Patient range

Adult, neonate and pediatric patients

Performance Specification

Display

15' color TFT LCD screen, support external VGA(option). rolling and refreshing waveform display

Display mode

Standard, large font, NIBP trend, trend table, full lead ECG, Oxy CRG.

Interface

Parameter cable interface

AC power input socket

Network interface

External VGA interface for connection of alternate display

Battery

1 internal rechargeable lead-acid battery, 2.0Ah 12V

Alarm indicator

Visual on-display and integrated alarm light

Audible alarm and personated voice reminding alarm

Data storage

720 hours monitoring data

10000NIBP records storage

500 alarm event.

Printer

Built-in 50mm thermal printer (option),

3 traces, print speed 12.5mm/s & 25mm/s & 50mm/s

print width:50mm

Net working

Support connection to central monitoring station through LAN (TCP/IP) or wireless connection

ECG

Leads type

3/5-lead : I, II, III, aVR, aVL, aVF, V

Sweep speed

12.5mm/s, 25mm/s, 50mm/s

Gain selection

×0.25,×0.5, ×1, ×2

ECG waveform

3 channels

Operation mode

Diagnostic, monitor, surgery

Heart rate range

15 -350bpm

Accuracy

1bpm or $\pm 1\%$ whichever is great

Alarm range

Audible and visual alarm, adjustable

ST/ arrhythmia

Real time S-T segment detection, pace detection and arrhythmia analysis

Protection

Against electrosurgical interference and defibrillation

Respiration (RESP)

Method

Thoracic impedance

Operation mode

Auto/manual

Measurement range

Adult: 0-120BrPM; neonatal /pediatric: 0-150BrPM

Apnea alarm

Yes

Alarm

Yes, audible and visual alarm ,alarm events recallable

NIBP

Method

Automatic oscillometric

Operation mode

Manual/Automatic/STAT

Auto measure time

Adjustable

Measurement unit

mmHg / kPa selectable

Test interval

1-480 minutes

Measurement range

Adult: 0-300 mmHg ;

Child: 0-240 mmHg ;

Infant: 0-150 mmHg

Over-pressure protection

Double safety protection

Accuracy of blood pressure measurement

The mean error shall be less than ± 5 mmHg

the standard deviation shall be less than 8 mmHG

Resolution

1 mmHg

SpO₂

Measurement range

0%-100%

Resolution

1%

Accuracy

$\pm 2\%$ (70-100%, adult / pediatric, non-motion)

$\pm 3\%$ (70-100%, neonate, non-motion)

$\pm 3\%$ (70-100%, adult/pediatric/neonate, motion)

0-69% unspecified

Alarm range

1-100%

Pulse rate

Pulse range:

0-350bpm

Accuracy:

± 3 bpm (non-motion)

± 5 bpm (motion)

Temperature (TEMP)

TEMP range

0-50°C

Resolution

0.1 °C

Accuracy

± 0.1 °C (excluding the sensor)

Channel

Dual-channel. provide T1; T2 and

IBP

Measurement range

-50-360 mmHg

Channel

2 channels

Pressure transducer
Sensitive :5u V/V mmHg
Impedance range :300-3000 Ω
Pressure names
ART,PA,CVP,RAP,LAP,ICP,P1,P2
Alarm range
-10-300 mmHg
PR from IBP
Range & Accuracy:
25-200bpm ± 1 bpm or ± 1 bpm which is greater
201-350bpm $\pm 2\%$
Resolution :
1bpm
Depth of Anesthesia (BIS)
EEG sensitivity
+/- 475 μ V
Noise
< 2uVp-p (1-150 Hz)
CMRR
> 100 dB
Input impedance
> 50mohm
Sample rate
1024 samples/s, 16 bits
Index and display update
0-100, filter 1-47 Hz, 1 sec. display update
EEG waveform
 $\pm 500 \mu$ V scaleable, filter 1-30 Hz, 3 sec. window length.
ESR
0-100%
EMG 0-100 arbitrary unit
Curve and bar
Index trend
5 min and 60 min
Digital output
Wireless BT interface (RFCOMM). 10 meters range
Alarms
IoC high and low user selectable limits
Article rejection
Automatic: user can disable.

Sensor impedance range

0 - 14kohm

EtCO₂ (Main-stream / Side-stream / Micro-stream CO₂)

Measurement range

0-150mmHg

Accuracy

±2mmHg(0-40mmHg)

±5% of reading(41-76mmHg)

±10% of reading (77-99mmHg)

Resolution

1mmHg

Sampling rate

70ml/min 100ml/min

Sampling rate accuracy

0.15 or 15ml/min

Start-up time

30 Sec. the module enters the warming up status after the start up.

1 minute later, it enters the ready-to-measure status.

Respiration rate

3-150 rpm

Respiration rate accuracy

± 2BrPM (0-70BrPM)

± 5BrPM (> 70BrPM)

Response time

When measured with a neonatal water trap and a 2.5 m-long neonatal sampling line:

< 3s @ 100 ml/min

<4 s @ 70 ml/min

When measured with an adult water trap and a 2.5 m-long adult sampling line:

<5.5 s @ 100 ml/min

<7 s @ 70 ml/min

Delay time

When measured with a neonatal water trap and a 2.5m-long neonatal sampling line:

<3 s @ 100 ml/min

<3.5 s @ 70 ml/min

When measured with an adult water trap and a 2.5m-long adult sampling line:

<5 s @ 100 ml/min

<6.5 s @ 70 ml/min

Multi-Gas/O₂

Method

Infrared absorption

Gas sorts

CO2, N2 CO2, N2O, Des, Iso, Enf, Sev, Hal, O2,

(Optional paramagnetic sensor)

Measurement range

CO2: 0~30%

N2O : 0~105%

O2, :0~105%

Enf, Iso, Hal: 0~30%

Sev: 0~30%

Des:0~30%

Data output

Fi and ET values

Respiration rate

±1BrPM(2~60BrPM)

61~100BrPM (unspecified)

Other

Up to 4 waveforms displayed

Agent mixture detection

MAC value displayed

Panama | Central America | Caribbean | CARICOM

Information from the authorized catalog. Confirm configuration, accessories and documentation in the quotation.

Assisted translation: review the manufacturer specifications before purchasing.