

Athos FM Series - Full Modular Type

13.3 inch 15.6 inch 18.5 inch

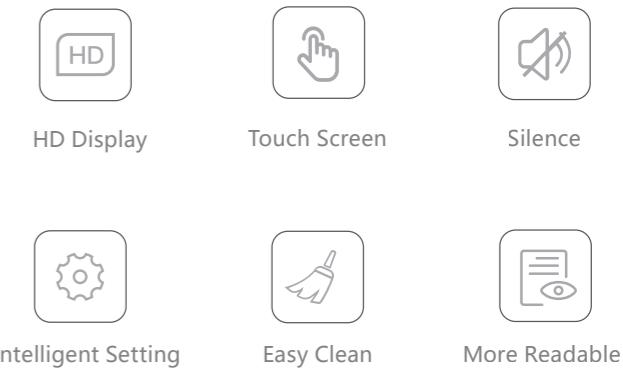
ZUG[®]
MEDICAL SYSTEMS



OVERVIEW

The patient monitor are designed to meet daily clinical needs and seamlessly integrate into the hospital workflow. The modular design and interface are designed to meet clinical requirements for various parameters. A variety of monitor models have more and more accurate practical clinical application values. In acute care, patient monitors must be reliable, easy to use, have advanced parameters, and allow access to data when needed. During patient transportation, the equipment should be easy to carry.

The Athos FM series of patient monitors are lightweight, powerful, and intuitive in user interface. They are the best choice for acute, in- and out-of-hospital transfers.



FEATURES

Excellent Performance:

- > The monitor adopts a modular design and a compact structure to meet the needs of various different parameter detections. It is suitable for adults, children and newborns.
- > Upgradable module is interchangeable (plug and play type).
- > 13.3 inches/15.6 inches/18.5 inches colour LED screen with touch screen and /or rotator knob.
- > Multiple screen layout to view big font size in numeric and waveform.
- > Capable to visualize 6 or more waveform. IBP supports colour coding for different waveforms.
- > Trending facilities for upto 1200 hours of both graphical & numerical along with eventreview facility for all parameters and full waveform disclosure facility.

Powerful function:

- > Standard parameters: SpO2 , ECG, PR, RESP, NIBP,2*TEMP.
- > Optional parameters: 12 Lead ECG, CO2, 4*IBP, C.O., ICG, Ai, AG, EEG, NMT, O2, RM;
- > Arrhythmia detection and analysis in various leads. ST segment analysis with ST trend with continuous display of ST value on screen.
- > Different visual alarm with colour coding and audible alarms for various parameters with three levels of volume adjustment.
- > A inbuilt battery backup of 4 hours. Energy-saving and low-power design extends battery life. Fanless design ensures a quieter, cleaner environment.
- > Support HL7 protocol to access the Central Monitoring System.

EEG Ai

Resp CO₂
AG

ECG SpO₂
IBP/NIBP TEMP
PR



EEG and Ai Monitor Optimizing Anesthesia Delivery with Ai™ Monitoring

Patented CapnoSET and TiniStream technology

Excellent ECG analysis and Anti-motion NIBP & SpO₂ Algorithm

CENTRAL MONITORING SYSTEM

Central Monitoring System supports up to 64 beds or 64 patients across clinical units at the same time.

72 hours of 64-channel holographic physiological waveform storage and review.

Provides review of up to 240 hours trend data storage, 720 alarm events per beds.

Bi-directional communication with WS12/WS15 Series monitors for enhanced patient care.



x64*



Optional:

12 Lead ECG

CO₂ (Sidestream CO₂, TiniStream CO₂, Mainstream CO₂)

IBP (IBP1/IBP2, IBP3/IBP4)

AI

AG

ICG

C.O.

EEG (2/4 channels)

NMT

PRODUCT SPECIFICATIONS

GENERAL

Dimensions : 13.3 inch (34cm*16.6cm*30cm)

15.6 inch (39cm*16.6cm*30cm)

18.5 inch (46cm*16.6cm*33cm)

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Weight : 13.3 inch 4.6kg

15.6 inch 5.0kg

18.5 inch 6.6kg

(Including battery,built-in module)



GENERAL

SpO₂

SpO₂ Range: 0~100%
SpO₂ Accuracy : 70~100%, $\pm 2\%$ <70%,Undefined
PI Range : 0~20%
PVI Range : 0-100%
PR Range : 25-300bpm
PR Accuracy : ± 3 bpm

ECG

ECG Range : 0.15~5.5mV
ECG Resolution : 2.36uV/LSB
HR Range : 15~300bpm(adult) 15~350bpm(child/neonate)
HR Accuracy : ± 1 bpm or $\pm 1\%$ (whichever is greater)
RR Range : Adult: 0~120bpm Pediatric, Neonate: 0~150bpm
RR Accuracy : 6~150rpm : ± 2 rpm or $\pm 2\%$ <6rpm:Undefined

TEMP

Range : 0-50°C
Accuracy : ± 0.1 °C
Resolution : 0.1°C

NIBP

Static Pressure Range: 0~300mmHg
Static Pressure Accuracy: ± 2 mmHg or $\pm 1\%$ of reading (take the larger value)
Static Pressure Resolution: 1mmHg
Blood pressure SYS Range: Adult: 40-270mmHg Pediatric: 40-235mmHg Neonate: 25-130mmHg
Blood pressure DIA Range: Adult: 10-210mmHg Pediatric: 10-200mmHg Neonate: 10-90mmHg
Blood pressure Mean Range: Adult: 20-230mmHg Pediatric: 20-225mmHg Neonate: 15-100mmHg
Blood pressure Accuracy: The mean deviation< ± 5 mmHg, The standard deviation<8mmHg

GENERAL

IBP (Optional)

Pressure Range : -50~400mmHg
Accuracy : ± 2 mmHg or $\pm 1\%$ of reading (take the larger value)
PR Range : 20-350bpm
PR Accuracy : ± 3 bpm

C.O. (Optional)

Range : 0.20~20.00L/Min
Accuracy : ± 0.2 L/Min or $\pm 5\%$ (take the larger value)

EtCO₂ (Optional)

CO₂ Range : 0~20.0vol%
CO₂ Accuracy : 0~12vol%: $\pm (0.2vol\%+2\% of reading)$ 12~20vol%: $\pm (0.2vol\%+6\% of reading)$
AwRR Range : 0~150rpm
AwRR Accuracy : mainstream:0~150rpm, ± 1 rpm Sidestream:0~70rpm, ± 1 rpm >70rpm,Undefined