

# ARAMIS Series Animal Monitor

Animal condition in one glance

10.0 inch

12.0 inch

15.0 inch



## Overview

ARAMIS series of veterinary monitors are independently developed and manufactured by Witleaf Medical company, based on a large number of clinical studies on veterinary monitoring, designing veterinary-specific system solutions and algorithmic systems, which are widely used in veterinary monitoring and surgery.



# Features

## Excellent Performance :

- > LowPulseStr™ SpO<sub>2</sub> algorithm provides more reliable SpO<sub>2</sub> readings during low perfusion and exercise ;
- > iFastBP® NIBP algorithm for fast and comfortable measurements ;
- > wSmartHeart® ECG technology for safer animal monitoring ;
- > wSmartGas® Capnograph technology for reliable readings in multiple environments .

## Powerful function :

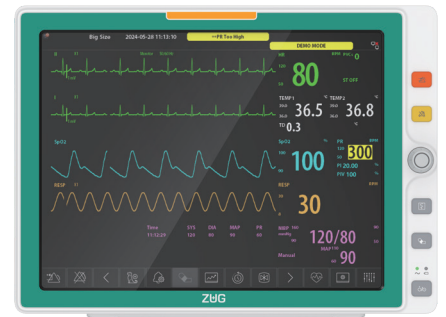
- > Multi display mode other beds view/Big font ;
- > 10,12,15inch screen can be optional ;
- > Wifi connectivity more flexible application ;
- > Smart alarm system more safety and more efficient ;
- > Fanless design .



► PMAR10



► PMAR12



► PMAR15

## Multi-scenario application:



Animal care



Operating room

## Product Optional Guider

| Standard application | Optional application |
|----------------------|----------------------|
| 3/5 Leads ECG        | C.O.                 |
| NIBP                 | IBP*2                |
| RESP                 | MainStream EtCO2     |
| SpO <sub>2</sub>     | TiniStream® EtCO2    |
| PR                   | CMS                  |
| HR                   | Touch screen         |
| TEMP                 | Printer              |
|                      | Wi-Fi                |

## Product Specifications

### GENERAL

#### PMAR10:

Dimensions: 47\*35\*24cm

Weight: 3.8kg

Screen size: 10 inch

#### PMAR12:

Dimensions: 47\*35\*24cm

Weight: 4.6kg

Screen size: 12 inch

#### PMAR15:

Dimensions: 57\*35\*24cm

Weight: 5.4kg

Screen size: 15 inch

### PARAMETER

#### SpO<sub>2</sub>

- SpO<sub>2</sub> Range : 0~100%
- SpO<sub>2</sub> Accuracy : 70~100%,±2% <70%,Undefined
- PI Range : 0~20%
- PVI Range : 0~100%
- PR Range : 25-350bpm
- PR Accuracy : ±3bpm

## PARAMETER

### ECG

- ECG Range : 0.15~5.5mV
- ECG Resolution : 2.36uV/LSB
- HR Range : 15~350bpm
- HR Accuracy :  $\pm 1$ bpm or  $\pm 1\%$  (whichever is greater)
- RR Range : 0~120bpm
- RR Accuracy : 6~120rpm :  $\pm 2$ rpm or  $\pm 2\%$  <6rpm : Undefined

### TEMP

- Range : 0-50°C
- Accuracy :  $\pm 0.1^\circ\text{C}$
- Resolution : 0.1°C

### NIBP

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

### IBP (Optional)

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

### C.O. (Optional)

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

### EtCO<sub>2</sub> (Optional)

- CO<sub>2</sub> Range : 0~20.0vol%
- CO<sub>2</sub> Accuracy : 0~12vol% :  $\pm (0.2\text{vol}\% + 2\% \text{ of reading})$   
12.1~20vol% :  $\pm (0.2\text{vol}\% + 6\% \text{ of reading})$
- AwRR Range : 0~150rpm
- AwRR Accuracy : MainStream : 0~150rpm,  $\pm 1$ rpm, SideStream : 0~70rpm,  $\pm 1$ rpm, >70rpm, Undefined

## Purchase Guider

| Name                                                | Standard/Optional | Images                                                                                |
|-----------------------------------------------------|-------------------|---------------------------------------------------------------------------------------|
| 3-lead conduction line                              | Standard          |    |
| 5-lead conduction line                              | Standard          |    |
| Animal ECG clips                                    | Standard          |    |
| Blood pressure extension tube                       | Standard          |    |
| Animal blood pressure cuff range (3-6cmm)           | Standard          |  |
| Animal blood pressure cuff range (4-8cmm)           | Standard          |  |
| Animal blood pressure cuff range (6-11cmm)          | Standard          |  |
| Animal blood pressure cuff range (7-13cmm)          | Standard          |  |
| Animal blood pressure cuff range (8-15cmm)          | Standard          |  |
| Blood oxygen extension line (DB9-monitor connector) | Standard          |  |

## Purchase Guider

| Name                                                          | Standard/Optional | Images                                                                                |
|---------------------------------------------------------------|-------------------|---------------------------------------------------------------------------------------|
| Blood oxygen probe<br>(repeatability)                         | Standard          |    |
| Temperature probe                                             | Standard          |    |
| CapnoSET<br>MainStream carbon dioxide modules                 | Option            |    |
| Disposable airway adapter<br>(blue)                           | Option            |    |
| Disposable airway adapter<br>(purple)                         | Option            |  |
| TiniLine® 8<br>White connector sampling tube<br>(with drying) | Option            |  |
| TiniStream® 8<br>Plug-in micro-flow carbon dioxide module     | Option            |  |
| IBP Cables                                                    | Option            |  |
| Disposable IBP sensor                                         | Option            |  |
| CO cable line                                                 | Option            |  |



## SpO<sub>2</sub>

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

## RESP

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

## EtCO<sub>2</sub>

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 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 : 2017SR076521

## Appearance patent

Patent No : ZL 2015 3 0297516.2

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