

# Superior Technology For Patient Monitoring



## Aurora Series

### Multi-Parameter Patient Monitor-AURORA Series

Aurora8, Aurora10, Aurora12

### Advantage:

- 1) Nice structure design, High recognition;
- 2) No fan design, Low consumption;
- 3) 8.9cm thickness, cover small space, less weight, more portable;
- 4) Support keyboards, mouse, easy to operate;
- 5) Leading SPO2, NIBP, ECG measurement technology
- 6) High performance: ST measurement and arrhythmia analysis, Review of alarm events and ARR, Arrhythmia alarm, Optimization of trend chart and Waveform, Drug calculation, Titration table, OxyCRG interface, Trend coexistence interface and etc;
- 7) Support USB interface, SD card, easy to upgrade.

1200

NIBP Measurement  
Review

720H

Trend Review

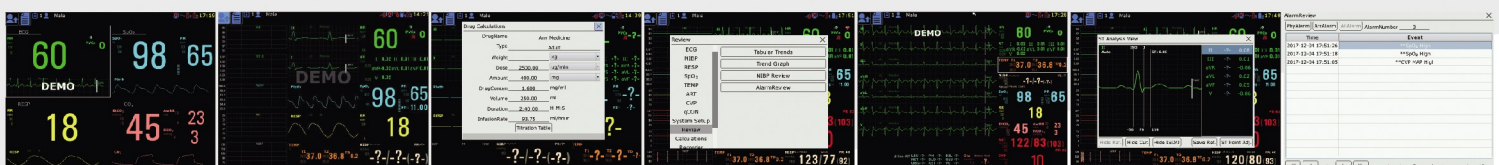
1000

Alarm Review

48H

Wave Review

### Display Modes:



Big font interface

Mini-trend interface

Drug dose  
calculation interface

Review Menu

12-lead full  
screen interface

ST view

Alarm Review



# Technical Specification:

| AURORA Series             |                                       |
|---------------------------|---------------------------------------|
| Display Type              | 8"/10"/12" color TFT LCD              |
|                           | With touch screen (Optional)          |
| Resolution                | 800*600 pixels                        |
| Waveforms                 | Up to 7                               |
| ECG                       |                                       |
| Input                     | 3/5 wires ECG cable                   |
| Lead section              | I II III aVR,aVL,aVF, V               |
| Gain selection            | *0.25,*0.5,*1,*2                      |
| Sweep speed               | 6.25mm/s,12.5mm/s,25mm/s,50mm/s       |
| Heart rate range          | 15~300bpm                             |
| Calibration               | ±1 mv                                 |
| Accuracy                  | ±1bpm or ±1% (select the bigger data) |
| NIBP                      |                                       |
| Philosophy                | Oscillometric method                  |
| Philosophy                | Adult,Pediatric and Neonate           |
| Measurement type          | Systolic,Diastolic,Mean               |
| Measurement parameter     | Automatic,Continuous measurement      |
| Measurement method Manual | mmHg/kPa selection                    |
| Accuracy                  | ±3mmHg or ±2%                         |
| SPO2                      |                                       |
| Display type              | Waveform, Data                        |
| Measurement range         | 0~100%                                |
| Accuracy                  | ±3% (between 70%-100%)                |
| Pulse rate range          | 20~300bpm                             |
| Accuracy                  | ±1bpm or ±2% (select the bigger data) |
| Resolution                | 1bpm                                  |

| 2-Temperature(Rectal & Surface) |                 |
|---------------------------------|-----------------|
| Number of channel               | 2 channel       |
| Measurement range               | 0~50°C          |
| Accuracy                        | ±0.2°C          |
| Resolution                      | 0.1°C           |
| Display                         | T1,T2,RT        |
| Unit                            | °C/°F selection |
| Refresh cycle                   | 1s~2s           |

| Respiration(Impedance & Nasal Tube) |                                      |
|-------------------------------------|--------------------------------------|
| Measurement type                    | 0~150rpm                             |
| Accuracy                            | ±1bpm or ±5%, select the bigger data |
| Resolution                          | 1rpm                                 |

| ETCO2-Plug & Play (optional) |                         |
|------------------------------|-------------------------|
| Measurement type             | Side stream             |
| Measurement range            | 0~10.0%; 0~76mmHg       |
| Accuracy                     | <5.0%, ±0.28kPa; ±2mmHg |
|                              | >5.0%, ±10%             |

| 2-IBP (optional)  |                                        |
|-------------------|----------------------------------------|
| Measurement range | -10~300mmHg                            |
| Number of channel | 1 or 2 channel                         |
| Accuracy          | ±1mmHg or ±2%, select the bigger data  |
| Pressure tag      | ART, CVP, RVP, LAP, RAP, PAP, ICP, LVP |

| 12 leads ECG (optional) |                                      |
|-------------------------|--------------------------------------|
| Input                   | 3/5/10 wires ECG cable               |
| Lead section            | I , II , III ,aVR,aVL,aVF, V (V1-V6) |
| Sweep speed             | 6.25mm/s,12.5mm/s,25mm/s,50mm/s      |
| Heart rate range        | 15~380bpm                            |
| Calibration             | ±1 mv                                |

## Application:

Suitable for adults, pediatrics and neonate;  
Widely used in Clinic、OR/OT、ICU、PACU、NICU and etc.

## Standard Configuration:

| Model         | ECG  | NIBP |
|---------------|------|------|
| AURORA SERIES | YES  | YES  |
| RESP          | SPO2 | TEMP |
| YES           | YES  | YES  |

## Optional Configuration:

| Model           | 12-Lead ECG   | IBP/2-IBP | ETCO2            | Touch Screen |
|-----------------|---------------|-----------|------------------|--------------|
| AURORA SERIES   | YES           | YES       | YES              | YES          |
| Thermal Printer | Wall standing | Trolley   | Wireless Network |              |
| NO              | YES           | YES       | YES              |              |







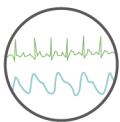
Fanless



Night mode



Thermal recorder



Color waveform



Parameter switch

## Modular Patient Monitor Aurora S series

- 1) Color TFT LCD screen;
- 2) Nice structure design, High recognition;
- 3) Fanless design, Low consumption;
- 4) Thin, less weight, more portable;
- 5) Support keyboard, mouse, easy to operate;
- 6) Top Class device's performance and powerfull software;
- 7) Supprt USB interface, SD card, easy to upgrade and export data;
- 8) Optional modular parameters: Thermal Recorder, Dual IBP, Kingst ETCO2, RESPIRATION ETCO2, qCON (depth of anesthesia) and etc.

**1200**

NIBP Measurement  
Review

**720H**

Trend Review

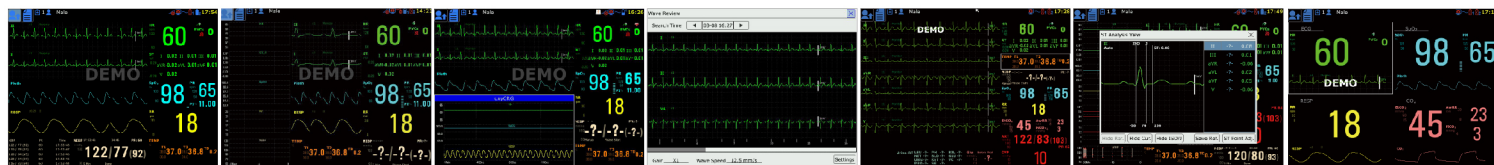
**1000**

Alarm Review

**48H**

Wave Review

## Display Modes:



Standard Interface

Mini-trend interface

OxyCRG Interface

Wave Review

12-lead full  
screen interface

ST view

Big font interface

# Technical Specification:

| AURORAS Series  |                              |
|-----------------|------------------------------|
| Display Type    | 8"/10"/12" color TFT LCD     |
|                 | With touch screen (Optional) |
| Resolution      | 800*600 pixels               |
| Waveforms       | Up to 8                      |
| Network support | Optional WIFI/3G/4G          |

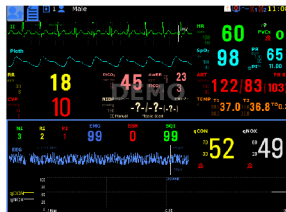
| ETCO2-Plug & Play (optional) |                                                  |
|------------------------------|--------------------------------------------------|
| Measurement type             | Side stream or Main stream                       |
| Measurement range            | 0~10.0%; 0~76mmHg                                |
| Accuracy                     | <5.0%, $\pm 0.28\text{kPa}$ ; $\pm 2\text{mmHg}$ |
|                              | >5.0%, $\pm 10\%$                                |

| 2-IBP (optional)  |                                                          |
|-------------------|----------------------------------------------------------|
| Measurement range | -10~300mmHg                                              |
| Number of channel | 1 or 2 channel                                           |
| Accuracy          | $\pm 1\text{mmHg}$ or $\pm 2\%$ , select the bigger data |
| Pressure tag      | ART, CVP, RVP, LAP, RAP, PAP, ICP, LVP                   |

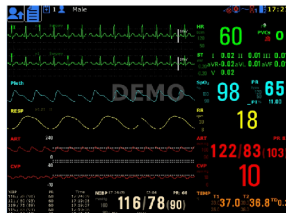
| Thermal Recorder (optional) |                     |
|-----------------------------|---------------------|
| Method                      | Thermal dot array   |
| Paper width                 | 50 mm (1.97in)      |
| Paper speed                 | 12.5/25/50 (mm/sec) |
| Traces Maximum              | 3 tracks            |

| qCON (optional)            |                                                        |
|----------------------------|--------------------------------------------------------|
| Index and display update   | qCON 0-99, 1s.                                         |
| EEG                        | +/- 25, +/- 50, +/- 100, +/- 250 +/- 475 $\mu\text{V}$ |
| BSR (Burst Suppression)    | Curve, index of 0-100%                                 |
| EMG                        | Curve, index of 0-100                                  |
| SQI (Signal Quality Index) | Curve, index of 0-100                                  |
| CMRR                       | >100 dB                                                |

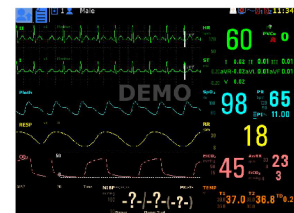
## qCON Modular



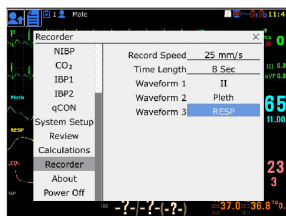
## 2IBP Modular



## ETCO2 Modular (Sidestream & Mainstream)



## Thermal Recorder Modular



# Optional Configuration:

| Model      | 2IBP | ETCO2(Kingst) | ETCO2 (Respiration) | Recorder | qCON | Wall Mounted | Trolley |
|------------|------|---------------|---------------------|----------|------|--------------|---------|
| AURORA 12S | √    | √             | √                   | √        | √    | √            | √       |

Add: No.8, ShengChang West Rd, Economy Development Zone, Danyang, Jiangsu, China  
 Tel: +86-511-8637 5968  
 Fax: +86-511-8637 1668  
 E-mail: info@konsung.com  
 Web: www.konsung.com



# Superior Technology for Veterinary Monitoring



## Aurora VET Series

Multi-Parameter Veterinary Monitor-AURORA Series

### Advantage:

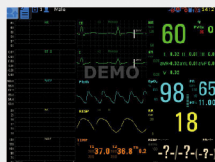
- 1) 8,10,12 inch LCD available;
- 2) No fan design, Low consumption;
- 3) 8.9cm thickness, cover small space, less weight, more portable;
- 4) Support keyboards, mouse, easy to operate;
- 5) Veterinary Special measurement technology;
- 6) Support USB interface, SD card, easy to upgrade;
- 7) IBP, EtCO2, Thermal Printer optional.



### Display Modes:



Big font interface



Mini-trend interface



Review Menu





## Technical Specification:

| Display     |                      |
|-------------|----------------------|
| Screen      | 8,10,12 inch TFT LCD |
| Resolution  | 800×600              |
| Touch panel | Optional             |
| Waveforms   | Up to 8              |

| Data Storage |                   |
|--------------|-------------------|
| Trend        | 720 hours         |
| Alarm events | 1000 groups       |
| NIBP list    | 1200 groups       |
| ECG waves    | 24h × 3 ECG waves |

| ECG                |                           |
|--------------------|---------------------------|
| Lead mode          | 3,5 leads                 |
| ECG wave           | I II III aVR,aVL,aVF, V   |
| Heart rate range   | 15bpm to 350bpm           |
| Accuracy           | ±1% or ±1bpm              |
| Input signal range | ±8mV (peak to peak value) |
| CMRR               | >100dB                    |

| RESP     |                          |
|----------|--------------------------|
| Method   | Trans-thoracic impedance |
| RR Range | 0 to 150 rpm             |
| Accuracy | ±2 rpm                   |

| NIBP             |                                                                      |
|------------------|----------------------------------------------------------------------|
| Method           | Oscillometric                                                        |
| Mode             | Manual, Auto, Continuous                                             |
| NIBP range       | SYS 40 mmHg ~270mmHg<br>DIA 10 mmHg ~215mmHg<br>MAP 20 mmHg ~235mmHg |
| Accuracy         | Maximum mean error ±5mmHg                                            |
| Cuff cover range | 3 – 15 cm                                                            |

| SPO2     |                   |
|----------|-------------------|
| Sensor   | Ear & Tongue clip |
| Range    | 0 to 100%         |
| Accuracy | ±2% (70% to 100%) |
| PR Range | 20bpm to 300bpm   |

| TEMP     |                         |
|----------|-------------------------|
| Method   | Thermal resistance      |
| Channel  | 2, T1 and T2            |
| Range    | 0.0°C to 50.0°C         |
| Accuracy | ±0.1°C (without sensor) |

| EtCO2      |                                                       |
|------------|-------------------------------------------------------|
| Type       | Sidestream and Mainstream                             |
| CO2 Range  | 0% to 20% (0mmHg to 150mmHg)                          |
| Accuracy   | < 5.0% CO2: ±2mmHg<br>> 5.0% CO2: <6% of the readings |
| AwRR range | 3rpm to 150rpm                                        |

| IBP       |                          |
|-----------|--------------------------|
| Channels  | 2 to 6 optional          |
| Range     | -50 to 300mmHg           |
| Accuracy  | ±1mmHg or ±2%            |
| IBP Label | BD, Utah, Edward, Abbott |

| Printer |                             |
|---------|-----------------------------|
| Width   | 48 mm                       |
| Speed   | 12.5 mm/s, 25 mm/s, 50 mm/s |
| Trace   | 3                           |



## Standard Configuration:

| Model         | ECG | NIBP | RESP | SPO2 | TEMP |
|---------------|-----|------|------|------|------|
| AURORA SERIES | YES | YES  | YES  | YES  | YES  |

## Optional Configuration:

| Model         | IBP/2-IBP | ETCO2 | Touch Screen | Wall standing | Trolley | Wireless Network |
|---------------|-----------|-------|--------------|---------------|---------|------------------|
| AURORA SERIES | YES       | YES   | YES          | YES           | YES     | YES              |

Add: No.8, ShengChang West Rd, Economy Development  
Zone, Danyang, Jiangsu, China  
Tel: +86-511-8637 5968  
Fax: +86-511-8637 1668  
E-mail: info@konsung.com  
Web: www.konsung.com