

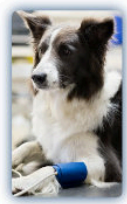


# VS2000V

## Veterinary Vital Signs Monitor

This VS2000V veterinary vital signs monitor is intended to be used in special procedure labs and other areas of a veterinary hospital or clinic where veterinary monitoring systems are needed. The monitor package includes 3-lead or 5-lead electrocardiography (ECG), noninvasive blood pressure (NIBP), temperature (TEMP) and pulse oximetry (SpO2). The device permits patient monitoring with adjustable alarm limits as well as visible and audible alarm signals. The monitor provides fast, reliable measurements for patients ranging from cats to horses when using the appropriate accessories.

- 7" high resolution color LCD display with adjustable brightness.
- Lightweight and portable, easy for veterinarians to carry out.
- Built-in rechargeable lithium battery for long term continuous operation.
- 3 leads and 5 leads ECG cable are selectable.
- Variety of NIBP Cuffs for different size animals.
- Expanded heart rate values and Veterinary specific SpO2 sensors to accommodate a variety of species.
- Widely used in pet hospitals and animal clinics etc.
- Two-year warranty.



Special NIBP technology designed for animals, safety and accuracy.



Multiple choice of NIBP cuffs for different size animals.



Compact and portable, easy to carry out.



# SPECIFICATIONS

## Enclosure

|                    |                                                                                             |
|--------------------|---------------------------------------------------------------------------------------------|
| Weight             | 2.05kg (4.52 lb), including 1 battery                                                       |
| Dimensions         | 324mm W x 129mm H x 183 mm D<br>(12.76in. W x 5.08in. H x 7.20in. D)                        |
| <b>Display</b>     |                                                                                             |
| Screen size        | 177.8mm ( 7in.), measured diagonally                                                        |
| Screen type        | TFT LCD, white LED backlight, viewing cone of 60° and optimal viewing distance of 1.5 meter |
| Resolution         | 800 x 480 pixels                                                                            |
| <b>Alarms</b>      |                                                                                             |
| Categories         | Patient status and system status                                                            |
| Priorities         | Low, medium, and high                                                                       |
| Notification       | Audible and visual                                                                          |
| Setting            | Full storage, low battery and sensor off                                                    |
| Alarm volume level | 45 to 85 decibels                                                                           |
| Alarm system delay | <10seconds                                                                                  |

## SpO2

|                     |                               |
|---------------------|-------------------------------|
| Aturation range     | 1% to 100%                    |
| Accuracy            | 70-100% (±2%), <70% undefined |
| Resolution          | 1%                            |
| Display sweep speed | 10.00 mm/sec                  |

## Pulse Rate

|                 |                        |
|-----------------|------------------------|
| Aturation range | 25bpm to 350bpm        |
| Accuracy        | ±2bpm/±2% take maximum |
| Resolution      | 1bpm                   |

## ECG

|                     |                           |
|---------------------|---------------------------|
| Aturation range     | 25bpm to 350bpm           |
| Accuracy            | ±2bpm/±2% take maximum    |
| Resolution          | 1bpm                      |
| Leads               | I,II,III,V,aVR,aVL or aVL |
| Display gain        | X1/4, X1/2, X1, X2, X4    |
| Display sweep speed | 6.25, 12.5, 25, 50mm/sec  |

## NIBP

|                     |                                                 |
|---------------------|-------------------------------------------------|
| Method              | Oscillometric                                   |
| Aturation Range     | 0-300mmHg                                       |
| Accuracy            | Based on ANSI/AAMI SP10:1992 and 2002 Standards |
| Measurement Time    | 30-50s typical, 180s maximum                    |
| AUTO Interval Times | 2, 3, 5, 10, 30 min, or 1, 2h                   |

## RESP

|                 |          |
|-----------------|----------|
| Aturation range | 0-130rpm |
| Accuracy        | ±1 pm    |
| Resolution      | 1rpm     |

## TEMP

|                 |        |
|-----------------|--------|
| Aturation range | 0-50°C |
| Accuracy        | ±0.2°C |
| Resolution      | 0.1°C  |

## ETCO2 (Optional)

|                 |                                               |
|-----------------|-----------------------------------------------|
| Mode            | Sidestream                                    |
| Aturation Range | 0-150mmHg                                     |
| Accuracy        | 0-40mmHg ±2mmHg<br>41-150mmHg ±10% of reading |
| Resolution      | 0.1mmHg                                       |
| Flow rate       | 50ml/min ±10ml/min                            |

## Electrical

|         |                                                                                                                                                                                       |
|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Battery | Four new lithium batteries with 4,400mAh will typically provide 4.5 hours of monitoring with no external communication, no audible alarm sound, and at an ambient temperature of 25°C |
| Type    | Lithium Batteries, 4,400mAh, DC 11.1V                                                                                                                                                 |
| Voltage | AC 100-240V, 50-60Hz, 80VA                                                                                                                                                            |

## Environmental

|                   | Transport and Storage                 | Operating Conditions           |
|-------------------|---------------------------------------|--------------------------------|
| Temperature       | -40°C to 75°C<br>(-40°F to 167°F)     | 0°C to 50°C<br>(32°F to 122°F) |
| Altitude          | -500 to 5,000m (-1,640 to 16,404 ft.) |                                |
| Relative humidity | 15% to 95% noncondensing              |                                |

## Trend

|                | Tabular                                                                                        |
|----------------|------------------------------------------------------------------------------------------------|
| Memory         | Saves a total of 120 hours of data events; saves date and time, alarm conditions, measurements |
| Tabular format | One table for all parameters                                                                   |

## Configuration

|          |                                                                                                                                                              |
|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standard | SpO2+ECG+NIBP+RESP+TEMP                                                                                                                                      |
| Optional | SpO2, SpO2+NIBP, SpO2+NIBP+ECG, SpO2+NIBP+TEMP<br>SpO2+ECG+NIBP+RESP+TEMP+ETCO2, etc.<br>Lithium Battery, Trolley, Brace, IPMS8600 Central monitoring system |

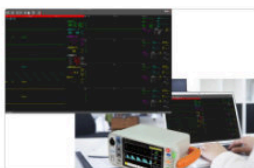
## ACCESSORIES



Standard



Rectal SpO2/TEMP sensors



IPMS8600



Trolley



Sidestream ETCO2 Module

## UTECH CO., LTD.

Add : UTMI Building, No.390, Jingdongfang Avenue, Beibei District, Chongqing, 400715, P. R. China.

Eml : service@chinautech.com

Web : www.chinautech.com

Tel : +86-23-86082658

Fax : +86-23-86082218

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