

# VM-20

## handheld pulse oximeter



3.2inches  
HD display screen



72H  
trend record



Sound and light  
double alarm



- ◆ Real-time blood oxygen and end-respiratory carbon dioxide monitoring; used in animal daily breathing detection and oxygenation function research during sleep;
- ◆ The equipment has been used for more than 3 years, the protection level is IPX2, and the battery life is more than 12 hours;
- ◆ All-round sound and light alarm, 3.2-inch LCD screen visible in the sun, multi-language operation, remote monitoring of Bluetooth wireless data transmission, 72-hour data storage, and uninterrupted recording of trend data.



Touchscreen



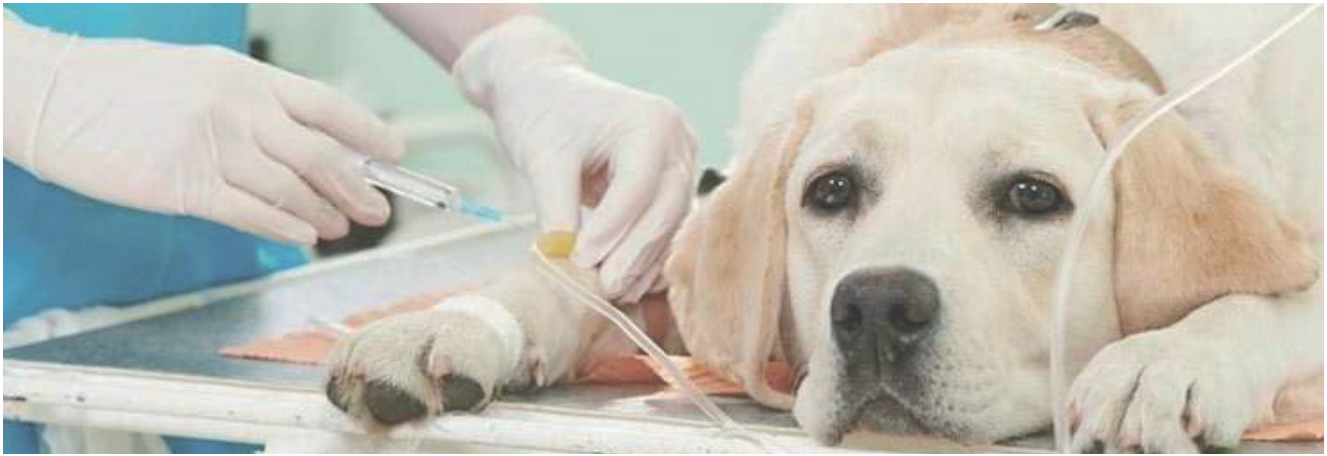
Silicone Case



Base

For more information, please contact us: [sales@szwitleaf.com](mailto:sales@szwitleaf.com)

**Witleaf**



## Features

- High-definition display screen, touch screen.
- Sound and light double alarm.
- Support screen brightness adjustment.
- Data storage and return visit function.
- Bluetooth connection data transmission APP.
- PC connection and data management.
- The base and the bracket can be optionally configured.
- Multiple filter mode selection, notch switch.
- Probe fault detection function.
- The time and date can be adjusted.
- Uses 3 AA batteries with long run time of up to 12 hours.



- Pulse Bar graph
- Plethysmogram
- Multi-language
- Store/Review Patient SPO2 & pr Trend
- Spot/Monitor Mode
- Record Animal Name
- Animal Type Selection

- Date access via USB port
- Probe Fault & Presence Detection
- Adjustable Volume & Backlight
- Nellcor Compatible SPO2 sensor

## Product Optional Guider

Standard application	Optional application
SpO2	TEMP
PR	HR
PI	Bluetooth
RR	

## 1. Veterinary probe



## Specifications

### SPO2

Range: 0~100%

Accuracy:  $\pm 2\%$ (70%~100%)Undefined (< 69%)

Resolution: 1%

### PI

Range:0~20%

Accuracy: Underfined

Resolution: 0.001%

### PR

Range: 25~350bpm

Accuracy:  $\pm 3$ bpm

Resolution: 1bpm

### RR

Range:0~70bpm

Accuracy:  $\pm 2$ bpm

Resolution: 1rpm

## TEMP

Measurement range	0-50°C
Measurement accuracy	±0.1°C
Measurement Resolution	0.1°C



## Compliance

Standard	IEC 80601-2-61:2011 IEC/EN 60601-1
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## Display

Size and Type : 3.2" Touchscreen TFT  
Languages :English,French,German,Polish,Spanish,RussianSinplified&Traditional Chinese,Portugese  
Buttons :6 soft silicon buttons

## Package content and options

Included: Touch Device,Veterinary SpO2 Finger Clip Sensor, Rechargeable Lithium Battery,USB Cable.

Optional:USB 5V Power Supply Adapter,Bluetooth Connectivity,Additional SPO2 sensors,Dock, Silicon Protection,-TEMP.

## Interfaces and power supply

DB9 Connector for Nellcor compatible SPO2 Sensor.

USB Port for 5V power charging and data export

Built-in and Replaceable Lithium battery for up to 12h continuous operation.

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

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