Performance Specifications - VK6 - Vet

Dimension and Weight

- Dimension:153*83*59mm
- Weight: 0.5kg

Power Supply

- Voltage: DC 5V 2A

Display

- 0.5" color LCD
- Resolution: 1280*720 pixels

Battery

- Type: Rechargeable lithium battery 5000 mAh 3.7V
- Maximum charging time is less than 6 hours.
- Working time: 6 hours

Alarm

- Level: Low, medium and high
- Indication: Auditory and visual
- Alarm volume adjustable
- Alarm pause time: 2min

Input Device

- Standard: Full Touchscreen

System Output & Extensible Interface

-Type-c

- WIFI

Operating Environment

-Temperature: 0 ∽40 。 。

- Humidity: 15% ~ 90% (non-condensing)
- Atmosphere pressure: 86 KPa ~ 106 KPa

Transportation and Storage

-Temperature: -20∽50 °C

-Humidity: 10% ˜90% (non-condensing)

- Atmosphere pressure: 86 KPa ~ 106KPa

Trend & Reviewing

- NIBP measurement reviewing: 1500groups
- Waveform review: 3 hours 600groups
- Alarm event: 1000 groups of parameter alarms events and associated parameter

Respiration

- Method: Impedance between RA-LL
- Gain: x0.25, x0.50, x], x2, x4
- Respiration Rate: 0 ~ 120 /0-150BrPM
- Sweep speed: 6.25 mm/s, 12.5 mm/s, 25mm/s
- Resolution: 1 BrPM
- Apnea Alarm: 10 ~ 40s
- Measure range:

-large animal:0-120bpm

- small animal: 0-150 bpm

Temperature

- Technique: Thermistor probe (2.25K /10k)
- Measuring and Alarm Range:0.0C~50C
- Unit: Celsius (C)
- Resolution: 0.1°Cor 1°F
- Accuracy: ± 0.1C(exclusive probe)

ECG

- Lead mode: 3/5 Leads, I, II, III or I, II, III, AVR, AVL, AVF, V
- Gain: 1/4file(X0.25)2.5 mm/mV;1/2file(X0.50) 5.0 mm/mV; 1 file (X1) 10 mm/mV; 2 files (X2) 20 mm/mV;
- Sweep speed: 6.25mm/s, 12.5mm/s, 25mm/s;
- Baseline Recovery:

  < 3s after defibrillation (Monitor mode)

  < 1s after defibrillation (Surgery mode)
- Bandwidth: Diagnostic 0.05 ~ 100

  Monitor 0.5 ~ 40 Hz

  Surgery 1 ~ 20 Hz

Heart Rate

Measure range:

- large animal: 15 ~ 300 bpm
- small animal: 15 ~ 350 bpm
- accuracy 1% or 1bpm, whichever is greater
- resolution 1 bpm

SpO2

- Measurement Range: 0 ~ 100 %
- Resolution: 1 %
- Response Modes: Low, Medium, High
- Accuracy: 70% ~ 100% : 2 %

  <69% :unspecified
- Support Pitch tone and multi-level volume

Pulse Rate

- Measuring and Alarm Range: 25~250bpm
- Accuracy: ± 3 bpm
- Resolution: 1bpm

NIBP

Method: Pulse wave oscillation method
Measure mode: Manual, Auto, Continue

Measure interval in auto mode:

1,2,3,4,5,10,15,30,60,90,120,180,240,480min

- STAT mode cycle time: Keep 5 minutes
- Measure and Alarm Range:
- Large Animal
- SYS 30 ~ 280mmHg
- DIA 10 ~ 220mmHg
- MEAN 20 ~ 240mmHg
- Small Animal

- SYS 30 ~220mmHg
- DIA 10 ~ 160mmHg
- MEAN 20 ~ 170mmHg
- Static pressure range 0˜300mmHg
- Static pressure accuracy 3mmHg
- Accuracy: Maximum Mean error 5mmHg
- Maximum Standard deviation 8mmHgStatic pressure accuracy: ±3mmHg
- Resolution: 1mmHg
- Accuracy: Maximum Mean error ±5mmHg

  Maximum Standard deviation <8mmHg
- Over pressure Protection: large animal - 300mmHg

small animal - 240mmHg

EtCO2 (Mainstream/ Sidestream) (Optional)

- Measure method: Non-dispersive infrared (NDIR)
- Measure Range: 0 ~19.7% (0 ~ 150 mmHg)

  0 ~ 20 kPa
- Resolution: 0.1 mmHg
- CO2 Accuracy:

  0 ~ 40 mmHg, ±2 mmHg

  41 ~ 70 mmHg, ±5% of reading

  71 ~ 100 mmHg, ±8% of reading 101~ 150 mmHg, ±10% of reading at 760 mmHg, ambient temperature of25C)
- Respiratory Rate: Range: 3 ~150 BrPM

  Accuracy: ±1 bpm
- Respiratory Rate: Range: 3 ~120 BrPM

  Accuracy: ±1 bpm