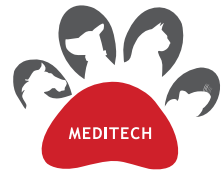


IE-12V



Veterinary monitor



[Features]

- ✓ Multi-Parameter Veterinary Monitor
- ✓ High resolution color TFT-LCD Screen
- ✓ Defibrillation and electrosurgical interference protection
- ✓ Pitch tone (Pulse-tone modulation)
- ✓ Suitable for feline, canine and other animals
- ✓ Standard Parameters: SpO₂, NIBP, ECG, PR, TEMP, RESP
- ✓ Optional Parameters: 2-IBP, EtCO₂, Thermal printer , VGA output

IE-12V Veterinary monitor

Tech Specifications

Display

12.1" Real Color TFT screen
Resolution: 800*600
One alarm indicator(yellow/red)
One working indicator(green)
One battery charge state indicator(green)
Three modes in accordance with the alarm state

Environment

Operating environment:
Temperature: 0°C - 40°C
Humidity: ≤85%
Altitude: -500~4600m
Transport and Storage environment:
Temperature: -20°C - 60°C
Humidity: ≤93%
Altitude: -500~13100m

Power Supply

AC: 100-240V 50/60HZ
DC: Built-in rechargeable battery
Battery: 4000mA 11.1V lithium battery
2h operating after full charge(one place)
5min operating after low battery alarm

Dimension and Weight

Equipment:305mm x 160mm x 287mm; 3.8kg
Package:380mm x 350mm x 300mm; 6.1kg

Date Storage

Trend diagram/table: 7x24h
NIBP review: 400events
Wave review: 100min
Alarm review: 100 alarm events
Support drug concentration titration analysis

ST Segment

ST Segment Range: -2.0mV~ +2.0mV
Accuracy: 0.02mV

ECG

5 leads: RA; LA; LL, RL; V
Lead mode: I; II; III; aVR; aVL; aVF; V
Increase: x250, x500, x1000, x2000
Sensitivity: >5 (megohm)
Bandwidth: Surgery 1~20Hz
Monitor 0.5~40Hz
Diagnostic 0.05~130Hz
CMRR: ≥100dB
Polarization Voltage: ±300mV
Baseline Recovering Time: After defibrillation <3 seconds
Signal Range: 8 mV (Peak-to-peak value)
Calibrating Signal: 1mV, precision ±5%

RESP

Method: RA-LL impedance
Resp impedance range:0.3~3Ω
Base impedance range: 200~4000Ω
Bandwidth: 0.1~2.5Hz
Resp rate: Big animal 0~120BrPM
Small animal 0~150 rPM
Resolution: 1BrPM
Precision: ±2BrPM
Asphyxia Alarm: 10~40 seconds

NIBP

Method: Pulse wave oscillometry
Operation modes: Manual/Automatic/STAT
Auto measurement time interval:1/2/3/4/5/
10/15/30/60/90/120/180/240/480 Minutes
Measurement time of SATA Mode: 5 minutes
PR range: 40~240bpm
Measure & alarm range: Big animal
SYS: 40 - 270 mmHg
DIA: 10 - 215 mmHg

IE-12V Veterinary monitor

Tech Specifications

Mean: 20 - 235 mmHg

Small animal

SYS: 40 - 200 mmHg

DIA: 10 - 150mmHg

Mean: 20 - 165 mmHg

Static pressure range: 0~3mmHg

Precision: ± 3 mmHg

Pressure precision:

Max. Average error: ± 5 mmHg

Max. Standard deviation: ± 8 mmHg

Overvoltage protection: Big animal
300mmHg Small animal 240mmHg

SpO₂

Range: 0~100%

Resolution: 1%

Precision: 70%~100%: ± 2 DIGIT

0%~69%: \pm no definition given

Pulse Rate

Range: 20~300bpm

Resolution: 1bpm

Precision: ± 3 bpm

TEMP

Channel 2

Measure&alarm range: 0~50°C

Resolution: 0.1°C

Precision: ± 0.1 °C

Standard accessories

NIBP cuff&tube

ECG cable&electrode

SpO₂ sensor

TEMP probe

Lithium-ion battery

Power cable

Operator' s manual

Optional accessories

CO₂ module

IBP module

Touch screen

Trolley bracket

Hanging bracket

Monitor recorder

IBP

Label ART, PA, CVP, RAP, LAP, ICP, P1,P2

Measurement and alarm range

ART 0~300mmHg

PA -6~120mmHg

CVP/RAP/LAP/ICP -10~40mmHg

P1/P2 -10~300mmHg

Press Sensor

Sensitivity 5 uV/V/mmHg

Impedance 300-3000 Ω

Resolution: 1mmHg

Accuracy: $\pm 2\%$ or ± 1 mmHg, which great

Actualization interval: about 1 Sec.

CO₂(Mainstream / Sidestream)

Range: 0-150mmHg, 0-19.7%, 0-20kPa
(at 760mmHg),

Atmospheric pressure provided by the host.

Resolution 0.1mmHg: 0-69mmHg

0.25mmHg: 70-150mmHg

Precision 0-40mmHg: ± 20 mmHg

41-70mmHg: $\pm 5\%$ (reading)

71-100mmHg: $\pm 8\%$ (reading)

101-150mmHg: $\pm 10\%$ (reading)

Respiratory rate range 0-150BPM

Respiratory rate accuracy ± 1 BPM