



M850 Vet

Handheld Veterinary Monitor



- Standard configuration: 3/5-lead ECG, RR
- Optional configuration: PR, SpO2
- Easy to operate & carry, convenient for clinical application
- Suitable for different types of animal
- Automatic power-off function
- Dual work modes: continuous monitoring & spot check
- Large data storage and transfer

Physical Specifications

Mainframe weight: <350g (full configuration, including the batteries)

Mainframe size: 142mm(W)×78mm(H)×36mm(D)

Environmental Specifications

Temperature:

Operating: 5°C to +40°C

Storage: -20°C to +55°C

Atmospheric:

Operating: 860hPa to 1060hPa

Pressure storage: 500hPa to 1060hPa

Humidity:

Operating: 15% to 85% (non-condensing)

Storage: less than 93% (non-condensing)

Battery Requirement

Type: Built-in lithium battery

Voltage: 3.7v

Capacity: 4800mah

Charging time: 3 ~ 4h

Run time: >28h

Display

Size: 4.3 inches

Resolution: 480*272

Touch: Resistive touch

Autorotation Direction: four directions

Indicator Lamp

Alarm indicating 1(Yellow/Red), on the top of screen.

Battery charging indicator lamp: 1 (orange)

When charging the battery, it lights orange.

When fully charged or not charged, the lights will turn off.

Power button: Turn on/off

Shortcut key: Start/Pause ECG measurement.

Short press the ECG shortcut key to achieve the above function

Long press the ECG shortcut key, hold and short press the power button to calibrate touchscreen.



SpO2 Display mode

Fig 1-6 ECG Display Mode

Fig 1-7 ECG Display Mode with RESP

Fig 1-4 Multi-Parameter Display Mode

Data Storage

Animal ID : 1 ~ 96

SpO2 trend interval: 10s, 30s, 1min, 2min, 5min, 10min

Capacity : 500 groups/animal can be stored (only data, no waveform)

ECG

Lead type: 3-lead, 5-lead

ECG input rang: $\pm 6\text{mV}$

Input impedance: $\geq 5.0\text{M}\Omega$

Leakage current : $< 10\text{ uA}$

Frequency response: 0.5 - 40Hz

GMRR : $\geq 89\text{dB}$

Electrode offset potential: $\pm 500\text{mV d.c.}$

Standardizing signal: $1\text{mV} \pm 5\%$

Protection Electric isolation voltage : 4000V at 50/60Hz 60s

Defibrillator-proof

Electrode off indication: with (except RL)

Scan speed: 6.25 mm/s, 12.5 mm/s, 25 mm/s

BLT SpO2 (Optional)

Measuring range: 0~100%

Resolution: 1%

Accuracy: 70~100%: $\pm 2\%$

0~69%: unspecified

Alarm: Select the high and low alarm limit of SpO2

Data update period: 13s

Anti-interference:

Anti-motion interference

Anti-electrotome interference

Resisting low perfusion capacity

Recovery time of equipment after defibrillation: 5s

Pitch tone: with

RESP Specifications

Method: Impedance

Measuring lead: Lead I(RA-LA), II(RA-LL)optional, II(default)

Measuring range: 0~150 rpm (The high/low limit can be adjusted continuously)

Resolution: 1 rpm

Accuracy: $\pm 2\text{ rpm}$ or $\pm 2\%$

PR (Optional)

Measuring range: 25 bpm ~250 bpm

Resolution: 1 bpm

accuracy: $\pm 1\%$ or $\pm 1\text{ bpm}$, whichever is greater

Alarm: Select the high and low alarm limit of PR

Charging Specification:

Micro USB: Charge, Data export

Power adapter: Input: AC 100 ~ 240V

Output: DC 5V/2A

Standard Configuration
ECG, RR

Optional Configuration
BLT SpO2, Nellcor SpO2, PR