COMeN
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C50-V
Veterinary Monitor

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Safety
CE marking according to MDD93/42/EEC

Dimension: 290mm×255mm×165mm
Net Weight: 4.2kg

Operation Environment
Power: AC100-250V, 50/60Hz.
Temperature: 0-40℃
Humidity: 15-85%

Performance Specifications
Display:	10.4 inch color touch screen
	Resolution: 800x600
	Multi displays selectable
Trace:	7/12 waveforms
	Sweep Speed: 6.25mm/s,12.5mm/s, 25mm/s, 50mm/s
Indicator:	Power indicator light
	Battery indicator light
Interface:	Parameter cable inter face
	AC Power input socket
	Network inter face
	External VGA inter face
Battery:	Li-ion battery
	Maxiquick™ recharging technology
	4 hours continuous work
Trend time:	1~120 hours
Alarm:	User-adjustable audio&visual alarm
Networking:	Star8800 Central monitoring system
Recorder:	Built-in, thermal array
	Record mode: manual, auto,alarm triggered,pre-set time length
	Paper width: 50mm
	Print speed: 12.5 mm/s, 25mm/s, 50mm/s

ECG
5-lead and 3-lead selectable
Input: 5 leadwire cable: RA; LA; RL; LL; V or R; L; N; F; C
3 leadwire cable: RA; LA; LL or R; L; F
Lead selection: 5-lead: I; II; III; aVR; aVL
3-lead: I; II; III
ECG waveform:2 channels
Gain selection: x0.25; x0.5; x1; x2; auto
Sweep speed: 12.5mm/s, 25mm/s, 50mm/s
Heart Rate range: 15-350bpm;
Accuracy: ±1bpm or ±1%, whichever is greater
Resolution: 1bpm
Protection: Withstand 4000VAC/50Hz voltage in isolation
Against electrosurgical interference and defibrillation
CMRR: Diagnostic Mode :> 90dB
Monitoring Mode :> 105dB
Operation Mode :> 105dB
Calibration signal: 1mv±5%
Operation mode: Diagnose, monitoring operation
Alarm Range: 15-350bpm
S-T protection: Yes
Measurement range: -2.0mV~2.0mV
Alarm Range: -2.0mV~2.0mV
Arrhythmia analysis: Yes
Alarm: Audio& and visual alarm,
alarm events recallable

Respiration
Method: RA-LL impedance
Measurement range: 6-150 rpm;
Resolution: 1rpm
Apnea alarm: YES
Alarm: Audio& and visual alarm,
alarm events recallable

NIBP
Method: Automatic oscillometric
Operation modes: Manual/Automatic/Continuous
Measurement unit: mmHg/kPa selectable
Measurement types: Systolic, Diastolic, Mean
Auto measure time: Adjustable
Measurement range: 10-270mmHg

Accuracy of blood pressure measurement:
Mean error less than ±5 mmHg
Standard deviation shall be less than 8 mmHg
Over-pressure protection: Double safety protection
Resolution: 1mmHg
Alarm: Systolic, Diastolic, Mean

Nellcor SpO₂ VetSat
Measurement range: 0~100%
Resolution: 1%
Accuracy: ±2% (70-100%, MAX-A, MAX-AL, MAX-N, MAX-P,
MAX-I and MAX-FAST sensors);
±3% (70-100%, D-YS, DS-100A,
OXI-A/N and OXI-P/I sensors);
0-69% unspecified
Alarm range: 0~100%
Pulse rate: Range: 20~250bpm
Resolution: 1bpm
Accuracy: ±3bpm
Unspecified Alarm range: 20~250bpm

Comen Vet SpO₂
Parameter Context Description	Range:0～100%;Accuracy:±2%（70～100%）; Undefine: less 70%;Average Eight Pulse Rate
SpO₂	Refresh Rate:1Hz;Range:30～254BPM Accuracy:±2% OR ±2BPM;Average Eight Pulse Rate
PR	Refresh Rate:1Hz;Range:0～8 Signal Strength Low perfusion:0.3% Data Refresh:1Hz;Range:0～15
BarGragh	Refresh Rate:60Hz;Range:0～100
Wave	Refresh:60Hz;Probe Off Probe Disconnect; No Finger in probe;Searching Module is searching valid PR signal Searching
Timeout	Timeout if not find valid pulse rate signal after 30 seconds; Alarm Type;Normal Module is measuring

Temperature
Accuracy: ±0.1℃ (excluding the sensor)
Measurement range: 0~50℃
Channel: 1-channel. Provide
Resolution: 0.1℃

IBP (Optional)
Measurement Mode: Pressure Transducer
Measurement Types: Systolic, Diastolic, Mean
Channel: 1 channel
Pressure names: AVP, CVP, PAR, LAP, RAP, ICP
Measurement Range: -10mmHg～300mmHg
IBP Accuracy: 0～100mmHg ±4mmHg
100mmHg～300mmHg ±2%
Pulse Accuracy: ±1% or ±1bpm, whichever is greater
Calibration Mode: Zero Calibration

EtCO₂ (Optional)
Method: Infrared Absorption
Measuring mode: Mainstream/sidestream
Measurement range: 0 -150 mm Hg, 0 to 79%, 0 to 20kPa (at 760mmHg)
Resolution: 0.1 mmHg 0 to 69 mmHg
0.25mmHg 70 to 150mmHg
Accuracy: ± 2 mm Hg (0-40 mm Hg)
± 5% of reading (41-70 mm Hg)
± 8% of reading (71-100 mm Hg)
± 10% of reading (101-150 mm Hg)
Alarm range: Same as Measurement range

Standard: ECG, RESP, NIBP, Nellcor SpO₂, TEMP
Optional: IBP,EtCO2,Thermal Recorder

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