

Multi Parameter Monitor with Anesthesia Gas Monitoring



Introduction

Standard parameters: ECG, SPO2, NIBP, RESP, TEMP, Anesthesia Gas.

Main Features

- 12.1" Color LCD Display with 800*600 resolution
- Suitable for various animals
- Three Working Modes: Monitoring, Surgery and Diagnosis
- Multiple display modes optional: Big font, ECG full lead display, OXY, Trend Table
- Built-in thermal printer: Output of real time Appointed ECG and SpO2 Waveform



Sidestream AGM Module



Sidestream Water Trap



Sample Line

Technical Specifications

ECG

Number of Leads:	3Lead
Lead View:	User-selectable; I, II, III,
Gain Selection:	x1/4, x1/2, x1, and x2
Frequency Response:	Diagnostic: 0.05 to 100 Hz (-3dB); Monitor: 0.5 to 40 Hz (-3dB); ST: 0.05 to 40 Hz (-3dB)
Electrosurgery Protection:	Yes
Defibrillator Protection:	Yes
Pacer Detection/Rejection:	Yes
ST Accuracy:	±0.2 mm or ±5% of reading, whichever is greater, over heart range of 30 to 120 bpm
ST Range:	-6.0 to 6.0 mm

Pulse Oximetry

Range:	1% to 99%
Resolution:	1%
Accuracy:	70% to 99% range: ±2%; 50% to 69% range: ±3%;
Method:	Dual wavelength LED

NIBP (Non-invasive Blood Pressure)

Technique:	Oscillometric during inflation
Range:	Big Animal: 30 to 300 mmHg Small Animal: 20 to 150 mmHg
Measurement Cycle:	< 40 sec. typical
Automatic Measurement	
Cycles (Selectable):	2, 3, 5, 10, 15, 30 min; 1, 2, 4 hr
STAT Mode:	5 minutes of continuous readings
Max. Allowable Cuff Pressure:	Big animal: 300 mmHg; Small animal: 150 mmHg
Resolution:	1 mmHg
Transducer Accuracy:	±2 mmHg or ±2% of reading,

Heart (Pulse) Rate

Source:	User selectable: Smart, ECG, Pleth, NIBP
Range:	20 to 300 bpm (30 to 240 bpm NIBP)
Accuracy:	±1 bpm or ±1% (ECG) whichever is greater ±2 bpm or ±2% (NIBP) whichever is greater

Anesthesia Gas

Gas Type	Range & Accuracy
CO ₂ :	0-10% ±(0.2 vol% +2% of reading) 10- 15% ; ± (0.3 vol% +2% of reading)
ISO	0 - 6% ; +2% of reading)
ENF,HAL:	0 - 6% ; +2% of reading)
DES	0 - 18% ; +2% of reading)
SEV	0 - 8% ; +2% of reading)

Respiration Rate

Rate:	6 to 150 bpm (ECG); 2 to 120 bpm (CO ₂)
Resolution:	1 breath/min

Trends

Memory:	96 hr at 30 second intervals with a NIBP reading every 5 minutes
Display:	tabular, graphical

Interface & Display

Keys:	9; membrane activated
Rotary Knob:	Push and rotate; 24 steps/turn
Screen:	12.1 inch active color TFT
Resolution:	Internal Display: 1024 x 768 pixels
Waveforms:	9, maximum
Waveform Types:	ECG Leads I, II, III, CO ₂ ; Pleth;
Sweep Speed:	6.25, 12.5, 25, or 50 mm/sec
Languages:	English, Chinese

Physical Properties

Weight:	6.5 kg
Size:	11 in (H) x 13 in (W) x 10.3 in (D) 28 cm (H) x 33 cm (W) x 26.2 cm (D)

Power Requirements

Voltage:	110, 220 VAC; 50 Hz
Power Consumption:	35 Watts, typical
Battery:	1 sealed li-battery
Battery Life:	3 hours, typical
Recharge Time:	4.5 hours, typical

Environmental

Operating Temperature:	59° to 95°F (15° to 35°C)
Storage Temperature:	23° to 122°F (-5° to 50°C)
Operating Humidity:	15% to 90%, non-condensing