



# ESM-1400BV

Veterinary patient monitor



INTENSIVE CARES



# ESM-1400BV

## Features

- 8.4" high resolution color TFT LCD display.
- 13 Type Arrhythmic Analysis, Multi-Lead ECG Waveforms Display in Phase, Real time S\_T segment analysis, pacemaker detection Drug calculation and titration table
- Efficient resistance to interference of defibrillator and electrosurgical cautery
- SPO2 can testing for 0.1% Weak
- RA-LL impedance Respiration
- Trend Coexist Display
- OxyCRG DyNamic View Display
- Options: EtCO2, touch Screen
- UP to 3-5 hours working capacity of built\_in rechargeable battery.
- Large volume of tabular and graphic trends information storage and easy to recall.
- Anti-ESU, anti- defibrillator

## Specifications

### 1. ECG

Lead Mode: 5 Leads or 3 Leads  
 3 Leads: RA, LA, LL, Lead mode: I, II, III  
 5 Leads: RA, LA, LL, RL, V,  
 Lead mode: I, II, III, aVR, aVL, aVF, V  
 Gain x250, x500, x1000, x2000  
 Heart Rate :  
 Range: Adult: 15~300bpm ;  
 Neonate / Pediatric: 15 ~ 350 bpm  
 Accuracy:  $\pm 1\%$  or  $\pm 1$ bpm,  
 Resolution: 1 bpm

### 2. RESP

Method: Impedance between R-F(RA-LL)  
 Range: Adult 2~120BrPM  
 Neonate / Pediatric 2~150 BrPM  
 Resolution: 1 BrPM  
 Accuracy:  $\pm 2$  BrPM  
 Suffocation warning: 10~40s

### 3. NIBP

Method: Oscillometric  
 Mode: Manual, Auto, STAT  
 Measuring interval in AUTO MODE: 1,2,3,4,5,10,15,30,60,90,120,180,240,480 MINS  
 Measuring interval in STAT MODE 5 MINS  
 PR range 40~240 bpm  
 Measuring Range and Resolution  
 Adult SYS 40~270mmHg  
 DIA 10~215mmHg  
 MEAN 20~235mmHg  
 PED SYS 40~200mmHg  
 DIA 10~150mmHg  
 MEAN 20~165mmHg  
 NEO SYS 40~135mmHg  
 DIA 10~100mmHg  
 MEAN 20~110mmHg

STATIC NIBP range: 0~300mmHg

Static NIBP accuracy:  $\pm 3$ mmHg;  
 Max Average tolerance  $\pm 5$ mmHg;  
 Max. Standard tolerance: 8mmHg

Over-pressure protection:

Adult mode: 300 mmHg  
 Ped mode: 240 mmHg  
 Neo mode: 150 mmHg

### 4. SpO2

Measuring range: 0~100%  
 Resolution: 1%  
 Accuracy: 70~100%:  $\pm 2$ ;  
 Pulse Rate:  
 Measuring range: 20~300bpm  
 Resolution: 1bpm  
 Accuracy:  $\pm 3$ bpm

### 5. TEMP

Measuring:  
 Range: 0~50°C  
 Resolution: 0.1°C  
 Accuracy:  $\pm 0.1$ °C (sensor tolerance no not included)

### 6. Power

Adapter  
 Input: AC 90 V~240V, 50/60Hz  
 Output: DC 12V~ 20V  
 Built-in Battery:  
 TYPE: 14.8V, 2200mAH Li-ion rechargeable battery  
 Operating time: 3-5 hours working time under full power  
 Charging time: 2 hours  
 7. CO2 (Optional)  
 Measuring and alarm range: 0% ~ 13%  
 Resolution: 1 mmHg  
 Accuracy : 2 mmHg @ < 5.0% CO<sub>2</sub> (at ATPS)  
 RR: 3~ 150 bpm

Standard accessories	
Main unit	1
5lead ECG cable with clip	1
NIBP extend tube	1
NIBP cuff for Animal	5
SpO2 probe for Animal	1
Rectal TEMP probe	1
Power Wire	1
User manual in English	1



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