



ESM-1400D

Multi-parameter patient monitor



INTENSIVE CARES



ESM-1400D

Features

- 12.1" high resolution color TFT LCD display.
- 13 Type Arrhythmic Analysis, Multi-Lead ECG Waveforms Display in Phase, Real time ST 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: printing, 2-IBP, EtCO2, touch Screen and animal software with animal accessories
- UP to 1-2 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: ±1% or ±1bpm,
 Resolution: 1 bpm
 Sensitivity: >200 uV
 Differential Input Impedance >5MΩ

2. RESP

Method: Impedance between R-F(RA-LL)
 Scope of base impedance: 200~4000Ω
 Bandwidth: 0.1~ 2.5 Hz

RESP
 Range: Adult 2~120BrPM
 Neonate / Pediatric 2~150 BrPM
 Resolution: 1 BrPM
 Accuracy: ±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: ±3mmHg;
 Max Average tolerance ±5mmHg;
 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%: ±2;

Pulse Rate:

Measuring range: 20~300bpm
 Resolution: 1bpm
 Accuracy: ±3bpm

5. TEMP

Channels: 2
 Measuring:
 Range: 0~50°C
 Resolution: 0.1°C
 Accuracy: ±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: 1-2 hours working time under full power
 Charging time: 2 hours

7. IBP(Optional)

Label: ART, PA, CVP, RAP, LAP, ICP, P1, P2
 Measuring and alarm range
 ART: 0 ~ 300 mmHg, PA: -6 ~ 120 mmHg
 CVP/RAP/LAP/ICP: -10 ~ 40 mmHg,
 P1/P2: -10 ~ 300 mmHg
 Press Sensor Sensitivity: 5 uV/V/mmHg,
 Impedance: 300-3000Ω
 Resolution: 1 mmHg

Accuracy : ±2% or ±1mmHg, which great
 Actualization interval: about 1 Sec.

8. CO2(Optional)

Measuring and alarm range: 0% ~ 13%
 Resolution: 1 mmHg
 Accuracy : 2 mmHg ± < 5.0% CO₂ (at ATPS)
 RR: 3~ 150 bpm



Standard accessories

main unit	1
5lead ECG cable	1
NIBP cuff for adult with extend tube	1
SpO2 adult finger probe	1
Surface TEMP probe	1
Power Wire	1
User manual in English	1



ESSE3 srl, Via Garibaldi 30
 14022 Castelnuovo D.B. (AT)
 Tel +39 011 99 27 706
 Fax +39 011 99 27 506
 e-mail esse3@chierinet.it
 web: www.esse3.dreamgest.com

