

The DRE Vida provides

- ECG 3/5L
- RESPIRATION
- DUAL TEMPERATURE
- ANESTHESIA
- GAS MONITORING
- SPO2 • NIBP • IBP
- CAPNOGRAPHY

all from a single
multi-parameter monitor



► A Quick Look

- Compatible with CRT/color LCD of variable sizes (15", 17" and 20")
- Built-in dual channel thermal array recorder
- 24-hour graphical/tabular trends with zoom facility and separate dedicated trend for storing 240 NIBP readings
- Graded and color coded alarms with audio/visual indicators
- Auto setting of alarm limits dependence on present patient condition for all the parameters (except NIBP)
- Alarm recall facility to view last 16 stored critical alarms (patient related)
- Recording of ECG strip with complete numerical data and patient information
- Multi-lead ECG monitoring (simultaneous monitoring of 4 ECG leads)
- Comprehensive patient data entry

Waveform Field

- Configurable screen for a maximum of four waveforms (ECG, SPO2, Resp, Invasive BP and Capnography/AGM).
- Utilize five-lead ECG cable to view any four ECG leads, if five-lead ECG

Dimensions and Weight

- 3.9" x 13.8" x 11.8" (H x W x D)
- 14.3 lbs with in-built batteries, Capnography and recorder

Product Specifications

Anesthesia Gas Monitoring

AGM gets priority for calculating respiration rate.

Flow Rate	150 ml/min ±20 ml/min
Range	
–N2O	0-100 Vol%
–Halothane & Isoflurane	0-8.5 Vol%
–Enflurane, Sevoflurane & Desflurane	0-10 Vol%
EtCO2	0-75mmHg
RR	0-150 bpm
User selectable apnea	
Alarm delay	5-90 sec. (steps of 5 sec.) CO2 is a part of AGM, if AGM option is present

Non-Invasive Blood Pressure

Oscillometric Principle, Display of Systolic, Diastolic & Mean pressure

Modes	Manual, STAT (5 min)
	Automatic (interval 2 min. to 90 min.)
Range	20 to 255mmHg
Accuracy	± 5mmHg

Invasive Blood Pressure

Simultaneous monitoring of 2 channels.

Display of Systolic, Diastolic and Mean pressure with respective waveform of IBP1 and IBP2.

Individual and common channel zeroing.

Labeling facility with automatic limits/gain/color setting.

Pressure channel overlapping option available.

IBP Scale	300, 150, 60, 30, 20, & 10mmHg
Range	-40 to 300mmHg

Alarms

Alarm setting for all parameters.

Patient Alarm Red flashing with audio and message indicator

Equipment Alarm Yellow flashing with audio and message indicator.

Alarm auto-set facility provided

Alarm Suspend Continuous Yellow

Auto setting of alarm for HR/PR, SPO2,

IBP1, IBP2, EtCO2, FiCO2, EtAA, FiAA,

ST, Respiration and Temperature

Re-Alarm Facility 3 min. for acknowledged alarm

Trends

24 hr. of graphical and tabular trend for HR/PR, SPO2, IBP1, IBP2, EtCO2, FiCO2, EtAA, FiAA, ST, Respiration & Temperature.

NIBP Trend Last 240 readings (tabular)

Alarm Recall Last 16 alarm events with date, time and message.

2-hr. zoom for graphical trends with mark, record and print facility.

Recorder

Type: Built-in 2-channel thermal array recorder for recording two waveforms (selectable) with numerical data and alarm status.

Dot Density: 203 DPI

Paper Width: 58 mm

Printing Width: 48 mm

Speed: 25 mm/sec

Recorder (continued)

NIBP and tabular trend recording with patient information; direct/delayed/continuous modes of recording. Record on alarm facility (selectable).

Power Supply

Universal Power Supply	95-265V AC, 50/60 Hz
Power Rating	40 watt
Battery Type	12V, 4Ah lead acid
Operating Time	30 min. for fully charged battery (with full load & NIBP auto mode 2 mins. interval & recorder on for 2 mins.)
Charging Time	90% charge in 12 hr. for fully discharged battery

Digital Field

HR/PR, Resp, SPO2, T1, T2 or ØT, IBP1, IBP2 and NIBP (Systolic, Diastolic and Mean), N2O, EtAA, FiAA, MAC, EtCO2 and FiCO2. On screen display of alarm limits/status.

Trace Speed

12.5, 25 or 50mm/sec for ECG, Invasive pressure waveform and Plethysmograph.

6.25, 12.5 or 25mm/sec for Respiration, anaesthetic agent and side stream Capnogram (with 14", 640 x 480 pixel display)

Optical Encoder

Rapid access to all the functions and parameter settings through single knob.

Quick action hot keys for Alarm mute, NIBP Start/Stop, IBP Zero, Recorder On/Off, Freeze and return to the main screen.

3/5 Lead ECG Monitoring

Automatic detection of 3 or 5 lead ECG cable.

Display of I, II, III with 3-lead cable and I, II, III, aVR, aVL, aVF and V with 5-lead cable.

Built-in cautery and defibrillator protection.

HR Range 20 to 270 bpm.

ST segment analysis possible accuracy - 2 bpm or 2% whichever is greater. Programmable arrhythmia detection (Bradycardia, Tachycardia, Asystole, Irregular & Skipped beat)

Respiration

Impedance pneumography principle (when sourced from ECG cable).

Display of respiration waveform with respiration rate.

Respiration Range 4 to 150 bpm

User selectable apnea

Alarm Delay 5-90sec. (steps of 5 sec.)

Capnography

Side stream Capnography with display of CO2 waveform and digital values of EtCO2 and FiCO2.

CO2 gets priority for calculating respiration rate.

Gain 20, 40, 60 & 80mmHg.

Flow Rate 140 ml/min. (+20/-10) CO2 measurement is possible in mmHg/Kpa/Vol%

EtCO2 Range 0-80mmHg, Resolution: ± 1mmHg

RR Range 0-150 bpm

Apnea Alarm Delay 30 sec.