

DRE's light, portable monitor measures Temp, NIBP, ECG and SpO₂

At less than 1.3 kg (2.87 lbs), the DRE Axis 4 provides vital signs monitoring that is mobile and accurate. It has a crisp, easy-to-read monographic LCD screen that displays waveforms for ECG leads I, II and III. The Axis 4 also displays data for SpO₂, heart rate, pulse rate, SYS, DIA, mean, temp, time, battery status, alarm status, contrast, beep and alarm sound status, and trends.



► A Quick Look

- Mobile monitoring: Provides up to three hours of on-the-move battery operation (up to five hours of battery operation for ECG-only use)
- Designed for desktop, IV pole mount and handheld use
- Demo mode for staff training
- Monitors adult, pediatric and neonatal patients
- Features a tabular trend display

DRE Axis 4

Portable Monitor

Equipment for the way *you* operate.

Technical Specifications

► Display

Screen Type	Monographic LCD
Resolution	240 x 64 pixels
Waveform Type	ECG leads I,II,III
Indicator	AC power or battery operated indicators
Display Data	SpO ₂ , heart rate, pulse rate, SYS, DIA, mean, temp, time, battery status, alarm status, contrast, beep and alarm sound status, trend

► Trends

Memory	15 day at 10 second intervals
Display	Tabular

► Interface

S/W Upgrade	RS-232
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► Performance

ECG

Leads	3-lead I, II, III
Display Sensitivity	1.0 cm/mV ±10%
Gain Selection	x0.25, x0.5, x1
Frequency Response	0.5 ~ 40Hz
Sweep Speed	25 mm/sec, 50 mm/sec
Pacemaker Detection	Yes
Heart Rate Range	30 ~ 300 bpm
Heart Rate Accuracy	± 3% or ± 3 bpm (whichever is greater)

Pulse Oximetry (SpO₂)

Measurement Range	
– SpO ₂	0 to 100%
– Pulse Rate	25 to 300 bpm
Accuracy	
– SpO ₂	70 to 100% ±2%, 0 to 69% - unspecified
– Pulse Rate	25 to 250 bpm ±3 bpm

Temperature

Measurement Range	15° to 45° C (59° to 113° F)
Accuracy	± 0.1 C (25° to 45° C); ± 0.2 C (15° to 24° C)
Probe Type	Compatible with YSI 400 series

NIBP

Technique	Oscillometric
Measurement Range	
– Large Patient	SYS: 30 ~ 270 mmHg DIA: 10 ~ 220 mmHg Mean: 20 ~ 235 mmHg
– Medium Patient	SYS: 30 ~ 235 mmHg DIA: 10 ~ 220 mmHg Mean: 20 ~ 225 mmHg
– Small Patient	SYS: 30 ~ 135 mmHg DIA: 10 ~ 110 mmHg Mean: 20 ~ 125 mmHg
Cuff Pressure Range	0 ~ 280 mmHg
Pressure Accuracy	±2% or ±3 mmHg (whichever is greater)
Static	±5 mmHg average error
Clinical	8 mmHg standard deviation
Pulse Rate Measuring Range	40 ~ 240 bpm
Inflation Time for Cuff	Less than 40 sec. (standard adult cuff)

NIBP continued

Total Cycle Time	20 to 45 seconds typical (dependent on heart rate and motion artifact)
Intervals for AUTO Measurement Time (min)	5, 10, 15, 30, 60, 90, 120
Overpressure Protection	Hardware and software double protections
Adult	315±10 mmHg
Pediatric	265±10 mmHg
Neonate	155±10 mmHg

► Electrical Ratings

AC Power

Input Voltage	100 ~ 240VAC, 50/60Hz
Output Voltage	12VDC, 3.5A

Battery

Type	Li-ion
Battery Run Time	3 hours Up to 5 hours for ECG only

► Environmental Conditions

Temperature

Operating	5° ~ 40° C (41° ~ 104° F)
Storage	-20° ~ 60° C (-4° ~ 140° F)

Humidity

Operating	15 ~ 95% , non-condensing
Storage	10 ~ 95% , non-condensing

► Physical Dimensions

Weight	1,300g (1.3 kg, 2.87 pounds)
Size	85 mm/3.3" (H) x 245 mm/9.6" (W) x 84 mm/3.3" (D)

► Alarms

Audible and Visual Alarms	SpO ₂ , pulse rate, heart rate, SYS, DIA, mean, temp, low battery, ECG lead off, SpO ₂ finger off, system error
Silence	2 minutes
Volume	0 (off) ~ 7

