

PHASE 3 DEFIBRILLATOR ANALYZER
Datrend Systems Inc.

TEST REPORT No. 24

DATE OF TEST: sep 13, 2010
TIME OF TEST: 10:33:11 AM
PHASE 3 I.D.: MY PHASE 3
DEVICE I.D.: 73503001853
DUT TYPE: Defibrillator
TEST TYPE: Autosequence 32
MANUFACTURER: PRIMEDIC - METRAX
MODEL: DEFIMONITOR XD100

1.0 DEFIB TESTS

1.1 Energy

Tests performed: 9/10

TEST	RNG	PEAK AMPLITUDE (V)	PEAK (A)	PULSE WIDTH @10% (msec)	PULSE WIDTH @50% (msec)	ECG SIMULATOR wave	ECG Scale	ENERGY (J)	TARGET (J)	TOL (%)	RESULT
1	L	187	3.74	15.11	10.79	VFIB1	x1	5.0	5.0	15	PASS
2	L	259	5.18	15.11	11.11	VFIB1	x1	10.2	10.0	15	PASS
3	L	369	7.38	15.12	11.00	VFIB1	x1	20.1	20.0	15	PASS
4	H	454	9.08	15.11	11.03	VFIB1	x1	30.6	30.0	15	PASS
5	H	586	11.73	15.11	11.11	VFIB1	x1	51.4	50.0	15	PASS
6	H	830	16.61	15.11	11.01	VFIB1	x1	102.6	100.0	15	PASS
7	H	1179	23.60	15.11	10.95	VFIB1	x1	205.6	200.0	15	PASS
8	H	1419	28.40	15.11	11.11	VFIB1	x1	307.7	300.0	15	PASS
9	H	1561	31.25	15.11	10.95	VFIB1	x1	361.5	360.0	15	PASS

1.2 Charge Time

Pre-test Discharges: 0

RNG	CHARGE TIME (sec)	MAXIMUM CHARGE TIME (sec)	ECG SIMULATOR wave	ECG Scale	ENERGY (J)	TARGET (J)	TOL (%)	RESULT
H	14.8	15.0	VFIB1	x1	362.1	360.0	15	PASS

1.3 Cardioversion (Sync)

Tests performed: 2/4

TEST	RNG	SYNC TO:	SYNC DELAY (msec)	SYNC LIMITS (msec)	ECG SIMULATOR wave	ECG Scale	ENERGY (J)	TARGET (J)	TOL (%)	RESULT
1	H	R-Wave	+52	+20/+65	ECG120	x1	30.4	30.0	15	PASS
2	H	R-Wave	+51	+20/+65	AFIB1	x1	102.5	100.0	15	PASS

2.0 ECG PERFORMANCE TESTS

Tests performed: 12/12

TEST	WAVEFORM	SCALE	RESULT
1	Square wave, 2 Hz (SQR2HZ)	x1	PASS

2	DC Pulse, 4 sec (PULSE)	x1	PASS
3	Triangle wave, 2 Hz (TRI2HZ)	x1	PASS
4	Sinewave, 10 Hz (SIN10)	x1	PASS
5	Sinewave, 40 Hz (SIN40)	x1	PASS
6	Sinewave, 60 Hz (SIN60)	x1	PASS
7	Sinewave, 100 Hz (SIN100)	x1	PASS
8	ECG 60 BPM (ECG60)	x1	PASS
9	ECG 30 BPM (ECG30)	x1	PASS
10	ECG 120 BPM (ECG120)	x1	PASS
11	ECG 180 BPM (ECG180)	x1	PASS
12	ECG 240 BPM (ECG240)	x1	PASS

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Revisado: Marc Salomó

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