

SECULIFE DF_{BASE} for functional testing of Defibrillators

- Quick selection of the desired ECG signal types and test data
- Retrieves information about defibrillation
- Monophasic and Biphasic compatible
- Test for shock algorithm
- Measurement outgoing energy
- Fully AED Compatible

Specification

SECULIFE DF_{BASE} used for functional testing of external defibrillators. The delivered energy is measured by a built-in simulated load similar to the human body (50 ohms).

Furthermore, rapid and immediate viewing and selecting of the desired ECG signal types and test data is possible.

To determine the current pulse you can use a 12-lead ECG with arrhythmias and power waveforms. This can be recorded and viewed on the display of the defibrillator.

SECULIFE DF_{BASE} allows the user run up to 50 preprogrammed sequences of tests (Auto Sequences).

The tests are configured with an easy to use PC program.

Measuring

This computation is implemented digitally by taking timed samples of the voltage every 100 µsec for 100 msec (1000 readings). Each value is then squared and divided by the resistance (50 ohms). The sum of these 1000 values times 10 is then the Energy in Joules (Watt Seconds) contained in the pulse.

Műszaki adatok

Device:

- Display: LCD Graphical /256 x 64 pixels /Backlight
- Construction: 8,6 x 24,9 x 27,2 cm/ABS Plastic
- Weight: < 5 Lbs (2.3 kg)
- Face Plate: Lexan/Back printed
- Operating Range: 15 to 40 °C
- Storage Range: -20 to 65 °C
- Power:
 - Battery: 9 V DC [2 required.]/[NE 1604] Alkaline
 - Mains: BE 2006 PE[220 V AC] US, BE 2006 PE[220 V AC] EU, [10: V, 300 mA]

Measuring:

- Method: Biphasic
- Load resistance: 50 Ohm +/- 1%
- non-inductive(<1 µH)
- Display resolution: 0.1 Joule
- Measurement time window: 100 ms
- Absolute max peak Voltage: 6000 Volts
- Pulse width: 100 ms

Ordering information

Description / Order number

Defibrillator Analyzer, SECULIFE DF_{BASE} / M695Q



Pulse delay time generating ECG pulses

In synchronous defibrillation, the defibrillator current pulse is triggered shortly after the defibrillator detection of the R wave in the ECG. In this case, the corresponding measured value for the test is the pulse delay time, which is defined as the maximum time difference between the R-wave and the peak of the defibrillator pulse.

Purchase parts

- 1 Operating Instruction
- 2 Internal paddle adapters
- 2 Battery, 9 V DC / [NE 1604] Alkaline
- 2 Plastic cover

	Low Range	High Range
Voltage	< 1000 Volts	< 5000 Volts
Max current	24 Amps	120 Amps
Max energy	50 Joules	1000 Joules
Accuracy	+/-2% of reading for > 20 Joules +/-0,4 Joules for < 20 Joules	+/-2% of reading for > 100 Joules +/-2 Joules for < 100 Joules
Trigger level	20 Volts	100 Volts
Playback amplitude	1 mV/ 1000 V Lead I	1 mV/ 1000 V Lead I
Test pulse	5 Joules +/- 20%	125 Joules +/- 20%

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