



Defi5

Automatic External Defibrillator

Automatic External Defibrillator features include:

Three-step defibrillation process

Two-button operation

Extensive voice and visual prompts for the operator

Biphasic energy output

Physical

Category	Specification
Dimensions	303 x 216 x 89 mm
Weight	2.0 kg
Operating Temperature	0°C to 40°C
Operating Humidity	Relative humidity between 30% and 95% (non-condensing)
Storage Temperature (without battery)	-20°C to 55°C
Storage Humidity (without battery)	Up to 93% (non-condensing)

Electrical Isolation

Power	Unit operates on internal battery only
External Electrical Connections	No external devices are attached to the unit
Risk Current Category	Internally powered equipment with defibrillator-proof BF type patient applied part (as per definition of IEC 60601-1 standard)

Defibrillator

Biphasic Truncated exponential	Less than 30 seconds
150, 150, 200J	Less than 35 seconds
10 sec. to 150J	Less than 25 seconds
15 sec. to 200 J	22 audible prompts
9 sec.	LED prompts
	Two buttons - On/Off, Shock
	±15% into any impedance from 25 to 175Ω .20Ω to 200Ω

Waveform details

The table below provides details of the biphasic truncated exponential waveform delivered by the DEF15 (set to 200J) when connected to resistive loads of 25 through 175 Ohms. The waveforms are characterized by typical values for peak current (I_p), duration of the first output phase, and duration of the second output phase. Values are within 10%.

Output Energy(J)	Patient Impedance(Ω)	I_{p1} (Amps)	I_{p2} (Amps)	Phase1 (ms)	Phase2 (ms)	Interval (ms)
200	25	53.6	36.0	5.5	3.3	0.7
	50	27.8	17.5	10.9	6.6	0.7
	75	18.2	12.0	16.3	8.9	0.7
	100	13.4	9.0	19.7	9.6	0.7
	125	10.5	7.2	20.5	11.2	0.7
	150	8.6	6.0	21.6	10.4	0.7
	175	8.2	6.1	21.8	11.2	0.7

Battery

Non-rechargeable	12V d.c. 2.8Ah
Capacity	100 discharges at 200 Joules or 120 discharges at 150 Joules
Shelf Life (25°C±15°C)	5 years

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