

# Specification: F1/F1A (Fully/Semi-Auto)



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# F1/F1A

## (Fully/Semi-Automatic)



### Physical

Dimension	295 mm × 210 mm × 75.6 mm (Length × Width × Height, ±5mm)
Weight	2.0 ± 0.2kg (without network module, including a CMLI3IX4I002B battery)

### Environment

Dust/water	IP55
Temperature range	Operating: -5 ~ 50 °C Transient operating: -20 ~ 50 °C Storage: -30 ~ 70 °C
Relative humidity	0% ~ 95%, non-condensing
Atmospheric pressure	570 ~ 1062 kPa

### Battery

Type	Disposable maintenance-free non-rechargeable battery
Specification	CMLI3IX4I002B model: 12 V — 4200 mAh CMLM1X5I001B model: 15 V — 5600 mAh
Operating time	
- Monitoring	≥ 15 h (The wireless function is disabled, defibrillation charging and discharging are not performed, and the voice prompt is turned off);
- Defibrillation (150J)	≥ 520 times (3 times/min);
- Defibrillation (200J)	≥ 410 times (3 times/min);
- Defibrillation (360J)	≥ 210 times (3 times/min)
Standby life	> 6 years (at 20 °C ±5 °C, brand new battery, daily self-test, placed in the device without powering on, not connected to Wi-Fi or cellular mobile network to send self-test results.)

### Low battery alarm

After a prompt occurs, it can continuously operate for 30 min or at least ten 200 J defibrillation discharges or at least six 360 J defibrillation discharges can be performed

### Controls

Top lid lock	Open and close the top lid
Shock button	Press this button to deliver an electric shock
Patient selector switch	Toggle the switch left or right to switch patient type
Language switch button	Press this button to switch to the desired prompt language

### User Prompts

User prompts	Voice prompts
CPR coaching	Voice guide
CPR protocol	Meet AHA/ERC Guidelines 2015 and/or can be configured locally

### Defibrillation

Operations	Semi-automatic and fully automatic versions
Waveform	BTE waveform (Waveform parameters can be automatically compensated according to patient impedance.)
Energy selection range	Adults: 100 J, 150 J, 170 J, 200 J, 300 J, 360 J; Children: 10 J, 15 J, 20 J, 30 J, 50 J, 70 J, 100 J
Energy output accuracy	±2 J or ±10%, whichever is greater
Impedance range	20 ~ 300Ω
Electric shock sequence	Electric shock energy: 10~360J configurable;

	Number of electric shocks: once, twice, and 3 times configurable; The default configuration complies with AHA: 2015 First Aid Guide (200J-300J-360J)
Charging time	
- From starting charging to getting ready	Less than 3 s to 200 J; Less than 7 s to 360 J
- From starting AED analysis to getting ready for discharge	Less than 6 s to 200 J; Less than 10 s to 360 J
- From opening the cover to getting ready for discharge	Less than 8 s to 200 J; Less than 15 s to 360 J
Sensitivity and specificity	Meet AAMI DF80 specifications and IEC 60601-2-4 specifications
<b>Electrode Pad</b>	
Type	Disposable multi-functional electrode pads support adult/pediatric (automatically

	identified)
Model	
- CM3921(A)	Total area: 126 cm <sup>2</sup> Effective area: 82 cm <sup>2</sup> ;
- CM3922(A)	Total area: 74 cm <sup>2</sup> Effective area: 43 cm <sup>2</sup>
Cable length	1.2 m
Validity period	3 years
Operating and storage environments	0°C ~ 50°C
<b>Data Storage</b>	
Waveform	Up to 5 hours of ECG waveform
Event record	Support 1000 alarm events
Recording time	Up to 1 hour
Self-test reports	1500 files
<b>Communications</b>	
Wireless data	Wi-Fi; Cellular mobile network (2G/3G/4G/5G)
<b>Automatic Self-test</b>	
Auto-test	Daily, weekly, monthly, quarterly

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