

# PHILIPS® HEARTSTART™ FR2

- Portable, light AED
- Easy-to-use design and superior technology
- Automatically performs self-tests, which results in very little maintenance
- Internal memory stores summaries of information from incidents



Typical Manufacturer's Picture

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## Specifications

<b>Physical</b>	Size: 2.6" high x 8.6" wide x 8.6" deep (6.6 cm x 21.8 cm x 21.8 cm). Weight: ~4.7 lbs (2.1 kg)
<b>Waveform</b>	Biphasic truncated exponential. Waveform parameters are automatically adjusted as a function of patient defibrillation impedance. The FR2 delivers shocks to load impedances from 5 to 180 ohms.
<b>Energy</b>	Adult pads: 150J nominal into a 50 ohm lead. Pediatric pads: 50J nominal into a 50 ohm lead.
<b>Charge Control</b>	Controlled by patient analysis system for automated operation. Can be programmed for manual initiation using advanced mode
<b>Charge Time</b>	From shock advised < 10 seconds typical, including confirming analysis. Charge time increases near end of battery service life
<b>Shock-to-Shock Cycle Time</b>	< 20 seconds typical, including analysis, in AED mode.
<b>Charge Complete Indicator</b>	Shock button flashes, audio tone sounds.
<b>Shock Delivery Vector</b>	Via adult defibrillation pads placed in the anterior-anterior (lead II) position or via pediatric attenuated defibrillation pads placed in the anterior-posterior position.
<b>ECG Analysis System Function</b>	Evaluates impedance of defibrillation pads for proper contact with patient skin, and evaluates the ECG rhythm and signal quality to determine if a shock is appropriate
<b>Pace Maker Detection</b>	In advanced mode, on detection of pacemaker, provides screen display of Pacemaker Detected alert. Pacemaker artifact is removed from the signal for rhythm analysis.
<b>Display</b>	
<b>Monitored ECG Lead</b>	ECG information is received from adult defibrillation pads in anterior-anterior (lead II) position or from pediatric attenuated pads in anterior-posterior position
<b>Display Range</b>	Differential: ±2 mV full scale, nominal
<b>Screen Type</b>	High-resolution liquid crystal display with backlight
<b>Screen Dimensions</b>	2.8" wide x 2.3" high (70 mm x 58 mm)
<b>Sweep Speed</b>	23 mm/s nominal
<b>ECG Display</b>	3 second-segments displayed
<b>Frequency Response</b>	Nondiagnostic rhythm monitor 1 Hz to 20 Hz (-3 dB), nominal
<b>Sensitivity</b>	1.16 cm/mV, nominal
<b>Heart Rate Display</b>	30 to 300 bpm, updated each analysis period
<b>Controls and Indicators</b>	LCD screen: high-resolution, backlit LCD screen displays ECG and text messages. Controls: on/off button, shock button, options buttons. LED indicators: connectors socket LED, flashes to indicate socket location. LED is covered when defibrillation pad connector is properly inserted. Shock button LED flashes when defibrillator is armed. Audio speaker: provides prompts. Volume is adjustable via Setup screen. Beeper: Chirps when self-test has failed. Provides various warning beeps during normal use. Status Indicator: status indicator LCD displays device readiness for use. Low battery detection: automatic during daily periodic self-testing. Low battery indicator: solid or flashing re X status indicator on front panel; screen display Low Battery or Replace Battery warning, as appropriate
<b>Battery</b>	Type: 12 VDC, 4.2 Ah, lithium manganese dioxide. Capacity: when new, a minimum of 300 shocks or 12 hours operating time at 77° F (25°C)

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