



CardioPulse Prime is an electrocardiograph with strong signal quality and diagnostic algorithms to better enable the care teams for both adult and pediatric patients. The Prime leverages secure bi-directional Wi-Fi communication with HIS/EMR ensuring the care team never skips a beat.

System

Device

Dimensions (l/w/h) 15.1 x 12.5 x 3.5 inches

Weight 9.9 lbs. including paper

Ambient conditions

Temperature:

- Operation: 50 to 104°F
- Transport: 14 to 122°F
- Storage: 41 to 122°F

Humidity:

- Operation: 15 to 95% non-condensing
- Transport/storage: 10 to 95% non-condensing

Pressure:

- Operating: 700 to 1060 hPa
- Transport/storage: 500 to 1060 hPa

Electrical data

Power: Mains or battery operation

Power supply: 100 to 240 VAC, 1.3- 0.7A, 50 or 60 Hz

Power consumption: Maximum. 64 VA

Battery capacity: 8 hours with ECG printout every 15 minutes

ECG

ECG amplifier CF, defibrillation-protected (only with original patient cable)

Interfaces and Communications

Interface: LAN (Ethernet 1 Gbit), 2x USB, Potential equalization

Anti-theft: Kensington lock

WiFi: 802.11a, b, g, n

Security protocol:

- WPA2-PSK
- WPA2 Enterprise/ieee802.1, Authentication: PEAP, EAP-TLS, EPA-TTLS

PDF export: PDF / A-1a or b to USB stick (diagnostic PDF, can save PDF in different sizes)

Memory Internal memory: up to 350 ECG, 100 Resting Rhythm Recordings

Filter

Low pass filter: LP 25, LP 40 or LP 150Hz or off (250 Hz)

AC filter: 60 Hz

Recording functions	12-lead simultaneous analysis; on screen review of ECG Signal quality check and lead reversal detection Standard, Cabrera Computerized measurements
Lead selection:	Standard 12 lead, Pediatric, Right precordial, Standard C4r, Left posterior, Nehb, Balanced Provides 10 seconds of instantaneous ECG acquisition Resting Rhythm up to 10 minutes;
QT correction:	Bazett, Fredericia, Framingham, or Hodges

Components

Display	Color LCD
LCD Resolution:	1024 x 768
LCD Size:	8"
Displayed leads:	6 or 12
Sensitivity:	5,10, 20 mm/mV
ECG speed:	12.5, 25, 50 mm/s
Review ECG:	<ul style="list-style-type: none"> • on a grid of 3.46 x 5.98 inches • Review speed: 12.5/25/50mm/s • Review amplitude: 5/10/20mm/mV
Review Resting Rhythm:	<ul style="list-style-type: none"> • on a grid of 3.74 x 5.51 inches • Review speed: 6.25 or 12.5mm/s • Review amplitude: 2.5 or 5mm/mV

Printer	Internal Thermal Printer with Selectable Print Formats Real-time rhythm strip (Manual mode)
Printing number of traces in Real-time rhythm:	6 or 12
Thermo paper Format:	Z folded, 210 mm wide (8.5 x 11 inches)
Paper speed:	5 /12.5 / 25 / 50 mm/s
Sensitivity:	5/10/20 mm/mV

Keyboard	Sealed silicon alphanumeric keyboard
12 touch keys:	Multifunctional keys
3 direct keys:	Acquire resting ECG, start manual printout, stop manual printout

Options

Hardware Cart (optional)

Communication

Schiller Server and Schiller Gateway:

Software required for communications:

- PDF export to HIS/EMR
- DICOM/HL7 ECG export to HIS/PACS
- HIS/EMR patient import for Patient Data Query (PDQ)
- HIS / EMR Results Export
- Orders Import license for HL7 ORM protocol or DICOM modality worklist

Schiller Link:

- PDF export to EMR
- Patient data import

Warranty

General terms and conditions are available through Spacelabs Healthcare Service plans.

Documentation

This product ships with a complete set of comprehensive documentation.

For a full list of available supplies and accessories, refer to the *Spacelabs Healthcare Supplies and Accessories Catalog* at <https://www.spacelabshealthcare.com/products/supplies>.

Regulatory Approval

Certification

Safety and performance standard: 60601-1:

Conforms with or exceeds IEC/EN 60601-1 and IEC/EN 60601-2-25

Protection class according 60601-1:

I

Applied Part according 60601-1:

CF

Classification according Directive 93/92/EEC:

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