

Philips PageWriter Touch ECG System



Features:

- Easy, Fast, 12-Lead ECGs for Large or Small Hospitals
- Designed for high volume
- High resolution touch screen
- Preview reports before printing
- Wireless communication



Typical
Manufacturer's
Image

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Philips PageWriter Touch ECG

Features:

ECG Acquisition

- ECG signal acquisition of up to 12 leads for both adult and pediatric patients
- R/T (real-time) 12-lead display with ECG “snapshot” feature: - Take ECG snapshots of any data on the screen with the touch of a button - Review snapshots and print ECG reports in a variety of formats.
- AUTO 12-lead acquisition.
- RHYTHM display and printing (up to 12 leads).
- DISCLOSE five minutes of continuous waveform data for review and printing.

ECG Quality Monitor

- Extensive ECG quality indicators include AC noise filtering, in addition to artifact filtering and baseline wander correction.
- Color-coded real-time waveform display and loose electrode alerts provide instant quality feedback to the user.

ECG Memory and Transfer

- The PageWriterTouch cardiograph provides storage memory for ECGs and easy transfer by floppy disk, modem or LAN connection to an ECG management system.
- Each recorded ECG is automatically indexed on the cardiograph for quick review and retrieval.
- A list of all stored ECGs can be printed, facilitating administrative reporting and billing.
- The optional modem allows for quick transmission to a fax machine or an automated ECG management system. ECGs may be transmitted for management, physician review, and copying.

ECG Interpretation

- The PageWriterTouch cardiograph includes the Philips 12-Lead Algorithm for interpretive analysis of the amplitudes, durations, and morphologies of ECG waveforms and associated rhythm for adult and pediatric patients.
- This clinically proven interpretation program provides configurable levels of interpretive, reason, and severity statements that are printed on the ECG report.

Print Preview Capability

- Full-screen preview of ECG reports exactly as they appear when printed allows for quality assessment checks prior to printing.
- Multiple report formats may be applied to any ECG, with full preview of reports before printing.



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Mobile Cart Integral Part of Cardiograph

- The mobile cart provides convenient transport for the PageWriterTouch cardiograph and accessories from bedside to bedside. Designed for maneuverability and durability, the cart is well suited to the hospital environment.
- Ample storage space in the cart includes a tray, as well as optional locking drawers for supplies.
- Cradle for patient module storage and protection is built into the cardiograph.

Battery

- Rechargeable battery records approximately 50 ECGs or 40 minutes of rhythm recording from a single battery charge.

Technical Specifications:

ECG Acquisition

- R/T (real-time) ECG (12 leads)
- AUTO (12 leads)
- RHYTHM (up to 12 leads)
- DISCLOSE (1 to 3 leads)

Keyboard

- Full alphanumeric capability

Touch Screen Display

- 1024 x 768 pixel resolution
- 30.4 cm x 22.8 cm (15-inch diagonal) color liquid crystal touch screen display with backlight

Patient Module

- Action button allows user to take ECG snapshots from the bedside

Signal Processing/Acquisition Sampling Rate

- 1,000 samples per second per electrode/lead. 12 bit A/D conversion provides 5 μ V resolution.

Auto Frequency Response

- 0.05-150 Hz, 0.15-150 Hz, 0.5-150 Hz,
- 0.05-100 Hz, 0.15-100 Hz, 0.5-100 Hz,
- 0.05-40 Hz, 0.15-40, 0.5-40 Hz



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Rhythm Frequency Response

- 0.05-150 Hz, 0.15-150 Hz, 0.05-100 Hz
- 0.15-100 Hz, 0.05-40 Hz, 0.15-40 Hz

Filters

- AC noise
- Baseline wander
- Artifact

Printer/Printer Resolution

- High-resolution, digital-array printer using thermal-sensitive paper
- 200 dpi (voltage axis) by 500 dpi (time axis)

Report Formats

- 3x4 (1R, 3R)
- 6x2
- Panoramic 12 (Cabrera)
- 12x1
- Rhythm (up to 12 selected leads)
- Extended Measurements
- One Minute Disclose (1 lead)
- Full Disclosure (five minutes, 1 to 3 selected leads)

Battery Operation Capacity

- Typically 50 ECGs and copies on a single charge or 40 minutes of continuous rhythm recording recharge
- Seven hours in standby mode to >90% capacity (typical)

Network Connection

- 10/100 Base-T IEEE 802.3 Ethernet via RJ45 connector (standard)

ECG Storage

- XML File Format
- 150 ECGs to internal flash memory
- 2 to 3 ECGs typical per 1.4 MB floppy disk

ECG File Formats

- XML and XML SVG



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Power and Environment Line Power

- 100-240 Vac, 50/60 Hz, 150 VA max

Environmental Operating Conditions

- 15° to 35 °C (50° to 104°F)
- 15% to 70% relative humidity (non-condensing)
- Up to 4,550 m (15,000 ft.) altitude

Environmental Storage Conditions

- 0° to 40 °C (0° to 122°F)
- 15% to 80% relative humidity (non-condensing)
- Up to 4,550 m (15,000 ft.) altitude

Cardiograph Dimensions

- approx. 45 x 45.8 x 16 cm (17.7 x 18.0 x 6.34 in.)

Cardiograph Weight

- approx. 13 kg (28 lb.) including accessories

Patient Interface Module

- Remote, microprocessor-controlled module



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