

# Philips Pagewriter Touch EKG

## Quick Specs!

Page Writer Touch is designed for high volume hospital use – where the going is rough but quality is critical. A high-resolution 15-inch touch screen clearly displays 10 seconds of all 12 leads, color-coded for signal quality. Preview the full report – waveform and interpretation – before printing to save time and paper. Wireless communication simplifies life, allowing you to quickly download orders and send data to your EKG management system – all in record time. Easy, Fast, 12-Lead EKGs for Hospitals Large or Small.



### **Features:**

#### **EKG Acquisition**

- EKG signal acquisition of up to 12 leads for both adult and pediatric patients
- R/T (real-time) 12-lead display with EKG “snapshot” feature: - Take EKG 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

#### **EKG Quality Monitor**

- Extensive EKG 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.

#### **EKG Memory and Transfer**

- The Page Writer Touch cardiograph provides storage memory for EKGs and easy transfer by floppy disk, modem or LAN connection to an EKG management system.

- Each recorded EKG is automatically indexed on the cardiograph for quick review and retrieval. A list of all stored EKGs can be printed, facilitating administrative reporting and billing.
- The optional modem allows for quick transmission to a fax machine or an automated EKG management system. EKGs may be transmitted for management, physician review, and copying.

#### **EKG Interpretation**

- The Page Writer Touch cardiograph includes the Philips 12-Lead Algorithm for interpretive analysis of the amplitudes, durations, and morphologies of EKG 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 EKG report.

#### **Print Preview Capability**

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

#### **Mobile Cart Integral Part of Cardiograph**

- The mobile cart provides convenient transport for the Page Writer Touch 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 EKGs or 40 minutes of rhythm recording from a single battery charge.

# Philips Pagewriter Touch EKG

## Technical Specifications:

### EKG 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 EKG snapshots from the bedside

### Signal Processing/Acquisition Sampling Rate

- 1,000 samples per second per electrode/lead. 12 bit A/D conversion provides 5 $\mu$ 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

### 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 EKGs 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)
- Optional software required for Proxim Range LAN2 7410 CE PC card wireless LAN connection (Wireless PC LAN card not included)

### FAX Capability (optional)

- Group 3, Class 1 or 2 fax Modem (optional for USA & Canada)
- V.90, K56flex, enhanced V.34, V.32bis, V.32, V.22bis and below

### Readers(optional)

- Barcode- Reads Code 39 (standard and full ASCII)
- Magnetic Card Stripe - Reads cards adhering to ISO 7810, 7811-1, -2, -3, -4, -5, and JIS X 6301 and X6302

### EKG Storage

- XML File Format
- 150 EKGs to internal flash memory
- 2 to 3 EKGs typical per 1.4 MB floppy disk
- 150 EKGs per 128 MB PCMCIA card (optional)

### EKG File Formats

- XML and XML SVG

### 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