

PHILIPS PAGEWRITER TC20



ABOUT

The **Philips PageWriter TC20** EKG Machine offers an ideal blend of advanced technology, user-friendly operation, and affordability, making it an excellent solution for healthcare providers. Its intuitive 1-2-3 touch operation streamlines the entire ECG workflow, from acquisition and analysis to storage and printing. With native DICOM interoperability, the TC20 integrates seamlessly into your existing PACS system, enabling efficient data management and accessibility. The system supports wired and wireless LAN connectivity, ensuring smooth integration with worklists and patient demographics via XML, HL7, and DICOM protocols. Equipped with the industry-leading DXL Algorithm, the TC20 provides clinical decision support for precise and reliable diagnostics.



FEATURES

Streamlined Workflow: Intuitive 1-2-3 touch operation simplifies ECG acquisition, analysis, storage, and printing.

Seamless Integration: Native DICOM support ensures easy connection to PACS systems and DICOM MWL providers.

Flexible Connectivity: Supports wired and wireless LAN for downloading worklists and patient demographics.

DXL Algorithm: Delivers world-class clinical decision support with advanced analysis capabilities.

Compact and Affordable: Designed to meet the needs of evolving healthcare workflows without exceeding budgets.

EKG

Simultaneous Lead Acquisition: 12 leads

Standard Measurements: Ten interval, duration, and axis measurements; Configurable QT correction method

Rhythm strips: Up to 12 configurable leads

Disclosure: Five-minute history of all 12 leads; Complete ECG report of any selected 10 seconds

Event Marking: Six independent events can be marked for later review and analysis; Event markers appear on ECG reports

Timed EKG: Support for pharma stress protocols

Report Storage and Transfer: Full fidelity at 500Hz of 10 seconds for all 12 leads

Data Format: PDF, XML, DICOM 12-lead ECG, and DICOM General ECG formats

SPECIFICATIONS



DIMENSIONS

Height: 8 in (21 cm)

Width: 12 in (31 cm)

Depth: 16 in (40 cm)

Weight: 19 lb (8.6 kg)

DXL EKG ALGORITHM

Interpretive Statements: >600 interpretive statements; Integrated pediatric analysis

Borderline Statement Suppression: Three configurable settings

Extended Measurements: 46 measurements of morphology analysis in each of the 12 leads; 21 parameters of rhythm analysis

Reasons: Selectable explanations of all interpretive statements

Nomenclature: Aligned with 2007 AHA/ACCF/HRS Recommendations, Part II

USER INTERFACE

Touchscreen: 1-2-3 operation; Context-sensitive application; Five-wire, resistive touchscreen

Keyboard: Backlit 1-2-3 buttons; 65-button, standard full alphanumeric keyboard; Special characters supported

Membrane Keyboard Cover: Silicone-based flexible cover protects keyboard from particulate and liquid ingress

DISPLAY

Size: 6.5in TFT active matrix

Resolution: 640 x 480 VGA

Colors: 64K colors

PRINTER

Resolution: High-resolution, digital-array printer using thermal-sensitive paper; 200dpi (voltage axis) by 500dpi (time axis) at 25mm/sec

BATTERY / ELECTRICAL

Battery: Lithium ion

Battery capacity: Typically 30 ECGs or 30 minutes of continuous rhythm recording on a full charge; No fail operation during ECG printing

Battery Recharge: Four hours to full capacity

Main Power: 100-240 VAC, 50/60 Hz

Power Consumption: 60 W max

FILTERS

Pre-processing filters

- AC Noise: 50 or 60Hz
- Signal Processing: Artifact Rejection and Baseline Wander

Presentation filters – 10 sec reports

- High Pass: 0.05, 0.15, and 0.5Hz
- Low Pass: 40, 100, and 150Hz

Presentation filters – rhythm

- High Pass: 0.05 and 0.15Hz
- Low Pass: 40, 100, and 150Hz