SOMA
TECH INTL

The **Philips PageWriter TC70** is a cardiograph that simplifies diagnostic ECG/EKG testing and streamlines workflow. It features a 15-inch touchscreen, illuminated buttons, and color-coded signal quality indicators. The Philips TC70 automates workflow by acquiring, printing, saving, transferring, and retrieving ECG/EKG data through wired and wireless connectivity.

Features

- Easy 1-2-3 operation with 15-inch touchscreen.
- Automated workflow with one button push viva XML, HL7, and native industry-standard DICOM.
- Clinical decision support with exceptional 18-lead DXL Algorithm.
- The TC70 automatically displays Critical Value summary statements boldly on screen and printed ECG reports so caregivers can determine the need for urgent care.

SOMA TECH INTL• 166 HIGHLAND PARK DRIVE • BLOOMFIELD, CT 06002 • USA
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REVISED 5/10/2021

Specifications

Dimensions

Height: 5.31 in *(13.5 cm) (Display down)*

Width: 15.94 in *(40.5 cm)*

Depth: 12.99 in *(33 cm)*

Weight: 28 lbs *(11 kg) (Including battery, patient module, lead wires, alligator clips, electrode pack, and paper pack.)*

Display

Type: TFT

Size: 15-Inch *(Diagonal)*

Resolution: Active matrix, 1024 x 768 XGA

Colors: 64k Colors

Printer

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

Paper sizes: Z-fold letter and A4

Battery

Type: Lithium-ion

Capacity: Typically 60 ECGs on a single charge or 60 minutes of continuous rhythm recording; No fail operation during ECG printing.

Recharge: 5-hours to full capacity

ECG Functions

Simultaneous Lead Acquisition: Up to 18 leads
ECG reports: 12-lead: 3x4, 3x4 1R, 3x4 3R, 3x4 ST, 3x41R ST, 6x2, 12x1, 6x2 1R; Standard and Cabrera formats, plus Pan 12 Cabrera

ECG Reports, Extended Leads: 3x5, 3x5 1R, 3x5 3R, 4x4, 4x4 1R, 6x2 1R; Standard and Cabrera formats, plus Pan 12 Cabrera

Rhythm Strips: Up to 18 configurable leads

Event Marking: 15 independent events can be marked for later review and analysis

Full Disclosure: Twenty minute history of all 18 leads; Complete ECG report of any 10 seconds

Timed ECG: Support for pharma stress protocols

Report Storage / Transfer: Full fidelity at 500 Hz of all 10 sec for up to 18 leads; PDF, XML, DICOM 12-lead ECG, and DICOM General ECG formats

STEMI diagnostic aids

Graphical ST Vector: Two polar ST Maps; frontal and transverse planes

Unique Right Heart Statements: 9 statements called by right-chest leads

Unique posterior MI statements: 16 statements called by posterior leads

STEMI-CA: Criteria that suggest the probable site of the occlusion

Critical values: Highlights 4 conditions requiring immediate clinical attention

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Specifications Continued

**Philips DXL 18-lead
ECG algorithm**

Interpretive statements: > 600 interpretive statements; Integrated pediatric analysis

Leads Used in Diagnosis: Standard 12 leads plus V3R, V4R, V5R, V7, V8, and V9

LeadCheck: Lead placement software detects lead reversals

Borderline Statement Suppression: Three configurable settings

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

Extended measurements: 46 measurements of Morphology analysis in each of 18 leads; 21 parameters of Rhythm analysis

Reasons: Selectable explanations of all interpretive statements

Nomenclature: Conforms to 2009 AHA/ACCF/ HRS Recommendations for the Standardization and Interpretation of the Electrocardiogram and 2013 ACCF/AHA STEMI Management Guidelines

User Interface

Touchscreen: 1-2-3 operation; Context-sensitive application; 5-wire, resistive touchscreen

Keyboard: 65 button, standard full alphanumeric keyboard; Special characters supported

Signal Processing

Sampling Rate: 8,000 samples per second per lead wire

Patient Interface Module: Remote, microprocessor controlled digital module provides 5µV resolution

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