



PHILIPS

Diagnostic ECG

ST80i stress-testing
system

Workflow that works for **you**

Philips ST80i stress-testing system specifications

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Minimum requirements workstation hardware

Desktop PC HP all-in-one computer model 8300 (or equivalent)

RAM: 4 GB

Hard drive: 160 GB

CD-RW/DVD combo drive

LAN for in-hospital networking capabilities

Two RS232 ports¹

Four USB ports

Keyboard: standard PC – wireless or wired

Mouse: two-button with scroll wheel – wireless or wired

Operating system

Windows 7 Professional/Enterprise/Ultimate 32-bit and 64-bit

Windows 7 Enterprise/Ultimate compatible with BitLocker encryption

Windows 8.1 Professional 32-bit and 64-bit

Display

All-in-one computer or customer-provided PC display

Accepts 19" to 24" screen

Full HD resolution: 1920 x 1080

Customer-supplied display – preferably 24" capable of 1920 x 1080 resolution²

Interfaces

Trackmaster TMX425/428 series treadmill

Cardiac Science TM55 treadmill

Ergoline Ergoselect ergometers

Lode Corival ergometers

Lode and Ergoline integrated NIBP

SunTech Tango+ and Tango M2 NIBP/SpO₂ device

USB laser printer

Advanced Interface Module (AIM)

Stores software options

ECG wireless receiver

USB connection to PC

Two analog and one TTL output for stress echo and NIBP sync

Wireless Patient Interface Module (PIM)

2.4 GHz (802.15.4 ISM band)

Signal acquisition rate of 8,000 samples per second

Single AA alkaline battery lasts up to 900 minutes (30 min/test x 6 tests/day x 5 days)

Configurable power-save feature after 3 to 15 minutes inactivity

On-device display of:

- Lead map with lead connection status LEDs
- Battery level indicator/power status
- Signal strength indicator (only during an exam)

Leads

10-lead wire, single connector lead set

AAMI and IEC color coding

Snap or grabber connectors

Normal and extended lengths (1050 mm/1450 mm)

Printer

ST80i thermal printer (**optional**)

Customer-supplied USB laser printer

Trolley

Overall dimension: 76 cm x 66 cm x 183 cm

Overall weight: 90 kg/198 lbs

Overall load capacity for trolley top: 10 kg/22 lbs

Features:

- Mounting for all-in-one PC or customer-supplied wall-mountable display using a VESA adapter
- Isolation transformer
- Wire storage tray (1)
- Wire accessory basket (1)
- Cable hook (1)
- Paper tray (supplied with thermal printer)
- Large writing surface
- Cabling included
- Front-locking casters
- Optional LED surface light
- Optional mounting arm for NIBP device
- Optional shelf for Laserjet or customer-supplied PC
- Additional cable hooks
- Additional wire accessory baskets

Power supply

Isolation transformer input voltage per local requirements, included with trolley

120 V or 230 V

Output power ratings of 600 VA

Maximum four output receptacles

¹ If no RS232 ports available, contact Philips to order RS232-to-USB adapters.

² Mounting all-in-one PC or customer-supplied wall-mountable display using a VESA adapter.

Connectivity options

HL7 Admit, Discharge, and Transfer (ADT) demographics input ³
HL7 orders input ³
DICOM modality worklist (DWML) input ³
Native DICOM MWL
Native DICOM report output
HL7 ePDF output ³
IntelliBridge Enterprise
IntelliSpace ECG and TraceMaster Vue (standard)
Remote review station

Filters

AC mains: 50 or 60 Hz
High pass: 0.02, 0.05, 0.15 Hz
Low pass: 40, 100, 150, 300 Hz
Baseline wander and artifact filters
ECG data stored unfiltered: 0.02 Hz and 300 Hz

Application

Factory defaults and user-configurable components:
• Default standard exercise protocols with ability to create new protocols, up to 100 total protocols can be stored and edited
• Three types of user profiles with access to different functions: administrator, clinician, technician. Ability to create up to 100 user profiles with specific user names and passwords. Windows and/or domain user name and password can be used.
Arrhythmia notifications
Default event labels with ability to add new event labels
Ability to input orders and ADT information
Ability to monitor patient during recovery
Ability to replay exam
Ability to store and review up to one hour of full disclosure waveform data
Export final report (PDF) to a variety of locations

Trackmaster treadmill (only available from Philips in North America)

115 V: 0.5 to 10 mph
220 V: 0.5 to 12 mph
Length: 199 cm/78.5 in
Width: 84 cm/33 in
Maximum weight capacity: 227 kg/500 lbs

Optional accessories

Part number	Description
989803196121	Trackmaster treadmill TMX428 220 V
989803195861	Trackmaster treadmill TMX428 110 V
989803197451	Tango M2 BP monitor
989803197221	STRS CBL SpO ₂ adult finger kit Tango M2
989803180801	Stress patient belt
989803180811	Stress PIM holder
989803180121	12-lead leadset, AAMI grabbers
989803180141	12-lead leadset, AAMI snaps
989803180131	12-lead leadset, IEC grabbers
989803180151	12-lead leadset, IEC snaps
989803180161	Long 12-lead leadset, AAMI grabbers
989803180181	Long 12-lead leadset, AAMIsnaps
989803180171	Long 12-lead leadset, IEC grabbers
989803180191	Long 12-lead leadset, IEC snaps
40420A	Electrode disposable 1000/cs pre-gelled: SS
40493E	Adult foam ECG electrode disposable
M2202A	Adult radiotranslucent foam electrode
13944B	Wet gel foam electrode, resting ECG
M4606A	ECG skin preparation paper
M1708A	Paper-Eng no HDR
M1710A	Paper-Met no HDR
M2481A	Thermal paper for PageWriter, 8.5"x11"
M2483A	Thermal paper for PageWriter, A4 size
M2485A	Anti-fade paper for PageWriter, 8.5"x11"
M2486A	Anti-fade paper for PageWriter, A4 size

³ Requires IntelliBridge Enterprise and DECG connectivity options.

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