



PHILIPS

Diagnostic ECG

ST80i stress-testing
system

Workflow that
works for **you**

ST80i stress-testing system specifications

Minimum requirements workstation hardware

Desktop PC
RAM: 4 GB
Hard drive: 160 GB
CD-RW/DVD combo drive
LAN for in-hospital networking capabilities
Two RS232 ports ¹
Four USB ports
Keyboard: standard PC – wireless or wired
Mouse: two-button with scroll wheel – wireless or wired

Operating system

Windows 7 Professional (recommended)/Enterprise/Ultimate 32-bit and 64-bit with Service Pack 1
Windows 8.1 Professional 32-bit and 64-bit
Windows 10 Professional 32-bit and 64-bit

Display

All-in-one computer or customer-provided PC display
Accepts 19 in to 24 in screen
Full HD resolution: 1920 x 1080
Customer-supplied display – preferably 24 in capable of 1920 x 1080 resolution ²

Interfaces

Trackmaster TMX425/428 series treadmill
Cardiac Science TM55 treadmill
GE T2100 treadmill
H/P/Cosmos treadmill
Ergoline Ergoselect ergometers
Lode Corival ergometers
Lode and Ergoline integrated NIBP
SunTech Tango+ and Tango M2 NIBP/SpO ₂ 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: <ul style="list-style-type: none">• 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 (41 in/57 in)

Printer

ST80i thermal printer (optional)
Customer-supplied USB laser printer and network printer

Trolley

Overall dimension: 76 cm x 66 cm x 183 cm (30 in x 26 in x 72 in)
Overall weight: 90 kg (198 lbs)
Overall load capacity for trolley top: 10 kg (22 lbs)
Features: <ul style="list-style-type: none">• 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• Storage drawer• 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
Stress enterprise solution
Resting ECG workflow
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 perform 12-lead resting ECG
Ability to store and review up to one hour of full disclosure waveform data
Configurable security mode to boot the system directly into ST80i application
Export final report (PDF) to a variety of locations
XML export of stress study report along with patient data and test procedure results

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, AAMI snaps
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 disposable electrode
M2202A	Adult radiotranslucent foam electrode
M4606A	ECG skin preparation paper
M1708A	Paper-Eng no HDR
M1710A	Paper-Met no HDR
M2481A	Thermal paper for PageWriter, 8.5 in x 11 in
M2483A	Thermal paper for PageWriter, A4 size
M2485A	Anti-fade paper for PageWriter, 8.5 in x 11 in
M2486A	Anti-fade paper for PageWriter, A4 size

³ Requires IntelliBridge Enterprise and DECG connectivity options.

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