

BPL Medical
Technologies



Experience the Simplified Workflow

STRESS TEST SYSTEM

**DYNATRAC/
DYNATRAC PLUS**



Happier Living Everyday

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Wireless ECG Transmitter*

The Bluetooth-enabled wirefree ECG transmitter provides for the added advantage of portability of the device and reduces motion artifacts



Automatic Control of Treadmill

The treadmill can be controlled automatically during 12 lead ECG recording



Flexible Treadmill Protocols

Treadmill protocols can either be preset or can be programmed by the user



Selectable Digital Filters

Options are available for the user to choose digital filters for displayed ECG and print reports



Easy to Use

Dynatrac Plus is compact, lightweight and patient-friendly ECG acquisition unit



Rechargeable Battery

The battery for the ECG unit is rechargeable, which adds to its user-friendliness



ECG Acquisition Unit**

The USB-based ECG acquisition unit acquires and transfers ECG data to PC through wired interface



Battery Status Indicator

Battery status indicator to alert the user if the device is falling short of power



Report Printouts

The system has options for printing the automatic stage printouts and selectable real-time printouts

* Available in DYNATRAC PLUS

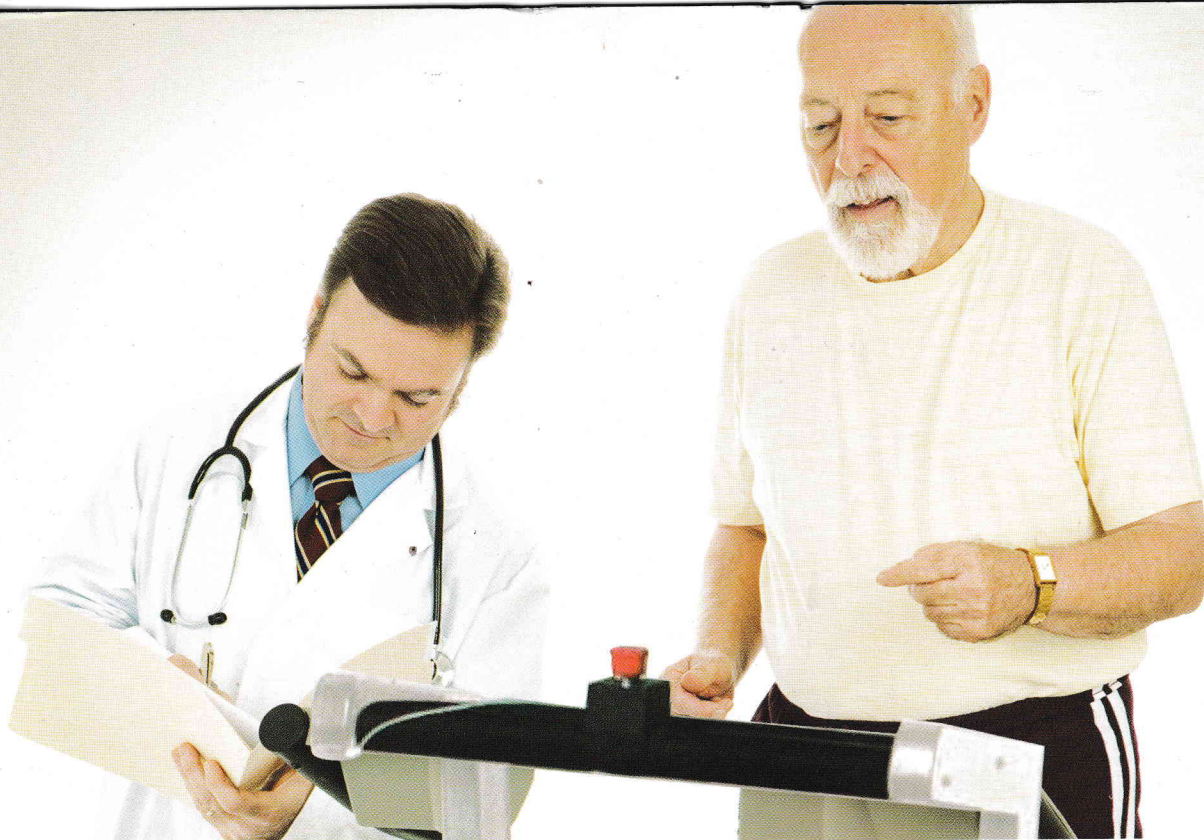
** Available in DYNATRAC



Ensuring enhanced clinical workflow with easy and accurate access of cardiac activity during stress tests

Product Specifications

Data Acquisition		Signal Processing	
Sampling Rate	400 Samples/sec	ECG Analysis	200 Samples/sec
Acquisition	Simultaneous 12 lead acquisition, 12 bits	QRS Detection	Single lead (selectable)
Leads	Standard 12 leads; Acquired 8 leads; Reconstructed 4 leads (III, aVR, aVL, aVF)	Calculated Parameters	ST-Level, ST-Slope, HR, METS
Input Dynamics	+/- 300mV @ 0Hz +/- 10mV in pass band	Fiducial Points	Auto or Manual Selection
Input Impedance	>100 M ohms	Enlarged Median Lead	Auto Lead selection (Lead having minimum ST level) or Manual lead selection
Time Constant	3.2 Seconds	Median Update Interval	Every 8 sec
CMRR	90dB @ 50 Hz	Display	
DF Protection	Internal	ECG Display Format	3 lead + 12 median or 6 lead + 12 median or 12 lead + 12 median
Patient Leakage	<10 μ A	ECG Display Speed	25mm/sec or 50mm/sec
Frequency Response	0.5Hz to 100Hz	ECG Display Sensitivity	5 or 10 or 20mm/mV
Digital Filters (Linear Phase)	Mains Interference : 50Hz Notch Filter (always present) Anti-Drift Filter : 0.5Hz (-3dB) (always present)	Event Marker	Yes
PC Communication		Displayed Data	HR, Target HR, BP, Stage Time, Test Time, Speed, Grade, METS, Protocol name, Protocol Stage, ST-Level, ST- Slope, Leadoff information and Patient Name.
PC Communication	Wireless through Bluetooth (Available in DYNATRAC PLUS) Through USB available in DYNATRAC	Filter	20Hz or 40Hz or No filter (Selectable)



Product Specifications

Printing		ECG Acquisition Device	
Print Format	User defined reports Printout with/without grid.	Power Source	Rechargeable Li-ion Battery 3.7 V, 1900 mAh
Paper Size	Plain Paper A4 size	Battery Charging	Through BPL Battery Charger AD006
Printing Speed	25mm/sec	Safety Specifications	Class II device as per IEC 60601
Printing Sensitivity	10mm/mV	Battery Charging Time	6 Hours (Max)
Filter	20Hz or 40Hz or No filter (Selectable)	Battery Capacity	Approx. 10 tests (each 30minutes duration)
Printouts	Automatic stage printouts and real time printouts. (Selectable)	Battery Charging Indicator	Yes (dual colour)
Review		Battery Low Indicator	Yes
Full Disclosure ECG	Beat-to-beat raw ECG record of complete exercise.	Operating Temperature	10 to 40°C
Marked Events	Review of marked events	Relative Humidity	25 to 95 %, non-condensing
Trend Graphs	Trend graphs of HR, ST-Level, ST-slope, BP, and J-amplitude.	Storage Temperature	-20 to 60°C
Data Storage		Dimension	120mm x 70mm x 25mm (height x width x thickness)
Local Storage	On hard disk, separate folder for each test.	Weight	< 300 gms
External Storage	Selected records can be exported to CDROMs		
Battery Charger AD006			
Input AC Voltage Range	200 V to 240 V, 50 Hz		
Power Output	5V DC, 2.5W		

CERTIFIED ISO 13485:2003, ISO 9001:2008 COMPANY

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