

Product Specifications

Treadmill Specification	Dynatra Ultra Mill
Dimensions (hxlw)	1970x730x130mm
Walking/running Surface	1580x480mm
Walking Surface Height From Ground	130mm
Mill Weight	129 kg
Patient Weight Capacity	upto 180kg
Inclination/elevation Range	0 to 26%
Speed Range	0 to 30 kmph
Power Requirements	230V 5A
Gross Weight	187kg
Operating & Storage Conditions	10 - 50 DEGREE CELSIUS
Data Acquisition	
Sampling Rate	1000 Samples/sec
Acquisition	Simultaneous 12 lead acquisition, 12 bits
Leads	Standard 12 leads; Acquired 8 leads; Reconstructed 4 leads (III, aVR, aVL, aVF)
Input Dynamics	+/- 300mV @ 0Hz +/- 10mV in pass band
Input Impedance	>100 M ohms
Time Constant	3.2 Seconds
CMRR	90dB @ 50 Hz
DF Protection	Internal
Patient Leakage	<10 µA
Frequency Response	0.5Hz to 100Hz
Digital Filters (Linear Phase)	Mains Interference : 50Hz Notch Filter (always present) Anti-Drift Filter : Auto or 0.5Hz (-3dB) (selectable)

PC Communication	
PC Communication	Wireless through Blue-tooth (Available in Dynatrac Neo BT Acquisition unit) Through USB (Available in Dynatrac Neo USB Acquisition unit)
Signal Processing	
ECG Analysis	200 Samples/sec
QRS Detection	Single lead (selectable, automatic switching to lead II, if lead II is good and selected lead is noisy); default V5
Calculated Parameters	ST-Level, ST-Slope, HR, METS
Fiducial Points	Auto or Manual Selection
Enlarged Median Lead	Auto Lead selection (Lead having minimum ST level) or Manual lead selection
Median Update Interval	Every 8 sec
Display	
Resolution	1024 x 768 pixels (minimum)
ECG Display Format	3 lead or 6 lead or 12 lead median (selectable)
ECG Display Speed	25mm/sec or 50mm/sec (selectable)
ECG Display Sensitivity	5 or 10 or 20mm/mV (selectable)
Event Marker	Yes
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.

Filter	20Hz or 40Hz or No filter (Selectable)
Printing	
Print Format	User defined reports Printout with/ without grid
Paper Size	Plain Paper A4 size
Printing Speed	25mm/sec
Printing Sensitivity	10mm/mV
Filter	20Hz or 40Hz or No filter (Selectable)
Printouts	Automatic stage printouts and real time printouts (Selectable)
Review	
Full Disclosure ECG	Beat-to-beat raw ECG record of complete exercise
Marked Events	Review of marked events
Trend Graphs	Trend graphs of HR, ST-Level, ST-slope, BP, and T-amplitude
Data Storage	
Local Storage	On hard disk, separate folder for each test
External Storage	Selected records can be exported to CD-ROMs
Battery Charger ELJINTEK, Inc.; Model No. GMPU06E-1 (for blue-tooth acquisition device)	
Input AC Voltage Range	200 V to 240 V, 50 Hz
Power Output	5V DC, 2.5W
Safety Specification	Class II device as per IEC 60601

ECG Acquisition Device	
Power Source	blue-tooth: Rechargeable Li-ion Battery 3.7 V, 1900 mAh USB: Through USB connected to PC, power consumption >1W
Battery Charging	Through BPL Battery Charger GMPU06E-1 (for blue-tooth device)
Safety Specifications	blue-tooth: Class II, Type CF Internally powered. Continuous operation as per IEC 60601-1 USB: IEC 60601-1, Class I, Type CF
Battery Charging Time	6 Hours (Max) only for blue-tooth device
Battery Capacity	Approx. 10 tests (each 30 min duration) only for blue-tooth device
Battery Charging Indicator	Available - Dual colour - only for blue-tooth device
Battery Low Indicator	Available - only for blue-tooth device
Operating Temperature	10 to 400C
Relative Humidity	2.5 to 95 %, non-condensing
Storage Temperature	-20 to 600C
Safety Standards	IEC 60601-1
blue-tooth Acquisition Device	
Dimension	170.5 mm x 106.5 mm x 22.5 mm (length x width x height)
Weight	< 160 gms

*Technical specification subject to change



CERTIFIED ISO 13485:2003, ISO 9001:2008 COMPANY

BPL Medical Technologies Private Limited
11th KM, Bannerghatta Road,
Arakere, Bangalore - 560076
CIN: U33110KA2012PTCO67282
Ph: +91 80 26484388 / 2648 4350
Toll Free: 1800-4252355
Website: www.bplmedicaltechnologies.com
For Enquiries: sales.medical@bpl.in



Happier Living Everyday

© 2017 BPL Medical Technologies Private Limited. All rights reserved. BPL Medical Technologies Private Limited reserves the right to make changes in product features, specifications, aesthetics and/or to discontinue the same at any time without notice or obligation

DYNATRAC ULTRA-03:178PGB