



PC Windows* based PPG Analyser system



DicroWin is a PC Windows* based PPG (Pulse Plethysmography) Analysis system, useful for various disciplines of medicine viz. Pharmacology, Cardiology, Physiology etc.

DicroWin is useful for study of Vascular Hemodynamics, Evaluation of Vasoactive drugs on Vascular Hemodynamics, Arterial Compliance, Arterial Stiffness Studies, Detection and follow up of Arterial diseases and Blood Flow analysis.

Windows* based DicroWin software & USB port communication with the handy DicroWin Instrument turns any PC into a full-fledged PPG Analysis system, with online real time graphs on screen. It gives a multicolor / B&W one-page report on A4 size paper. In-built patient database with more than 1000 patients memory helps to keep track of patient history. All at your mouse clicks in a very user-friendly DicroWin software.

FEATURES

- State-of-the-art Plethysmography using photo-electronics
- Comprehensive information derived from Pulse waveform
- Normalized Average calculation for complete test
- First and Second derivative waveforms for photo plethysmogram
- Huge Database support for archive test retrieval and comparisons
- Pulse quality control for validation of test
- Works with Windows* 7 / 8 / 10 operating system
- Easy to operate software

TECHNICAL SPECIFICATIONS⁵

Continues PPG Waveform
Automatic baseline and gain adjust
Test Method: online real time display of plethysmogram
Manual entry of BP

Database

MSAccess Easy Recall of any previous test

Data Acquisition

Sampling rate: 200 samples/sec
Resolution: 12 bit
Data storage: Raw data on HDD
Interface: USB

Standard Accessories

PPG Cable - 1 No
Hardware Unit - 1 No
USB Cable - 1 No
Power Cord - 1No
Software CD: 1 No

Physical Characteristics

Instrument Dimensions: 330 mm x 200 mm x 60 mm
Approximate Instrument Weight: 2.8 kgs

Power Requirements

Voltage 230 VAC \pm 10%
Frequency 50 Hz, Power Consumption 1.0 A maximum

Minimum PC Requirements

OS : Windows* 7 / 8 / 10
CPU : Celeron* 1.8 GHZ / i3 / i5 or better processor
HDD : 500GB
RAM : 2GB
Printer : Any Windows* Compatible Inkjet / Laser Jet Printer

ENVIRONMENT REQUIREMENTS

Operating and storage Temp. 15°C to 45°C
Ambient Relative Humidity 15% to 90%, non- condensing
Operating and storage Pressure/Altitude 523 mm Hg to 760 mm Hg

\$ Specifications are subject to change without prior notice

* Laptop optional

* All regd. Trademarks are acknowledged to their respective owners.

© 2017 Genesis Medical Systems Pvt Ltd. All Rights reserved

RESULTS:

Parameters

Pulse Duration
Left Ventricular Ejection time
Diastolic Time
Upstroke Time
Ejection Slope
Reflection Index
Dicrotic Index
Stiffness Index
LVET
Ejection time Index
Rise Index
Max. dp/dt.

Pulse Rate:

Range : 30 - 254 bpm
Accuracy : \pm 2% at 30-254 bpm
Averaging : 8 seconds average

Wave forms

Normalised PPG
First Derivative of norm. PPG
Second Derivative of norm. PPG



Since R&D is a continuous process, features & specifications are subject to change without notice.

Certifications



EN ISO 13485:2016

Manufactured by :

Genesis Medical Systems Pvt. Ltd.

#5-9-59, 5th Floor, Moghul's Court Building,
Basheerbagh, Hyderabad - 500 001. Telangana (INDIA)
Ph.: +91-40-23236155/23236165
www.genesismedicals.com
e-mail: sales@genesismedicals.com

Marketed By