

DIASYS **3**
Plus



The Most Advanced Hybrid ABPM Oscillometric + Korotkoff

*Offering **3** integrated Sensors
(Microphone + Barometer+ Accelerometer)
for optimum precision of
the Measurement and its Interpretation*

NOVA *Reliability*



The only true combination ABPM.
A Fusion of Auscultatory and Oscillometric Algorithms result in unprecedented reliability and performance.

Novacor is the pioneer of **hybrid** technology; benefitting from the advantages of both the Auscultatory (accuracy) and Oscillometric (simplicity) techniques.

NOVA *Precision & Comfort*

With an ergonomic conical cuff the **DIASYS 3** offers many innovations to improve comfort and precision:

- Dynamic maximum cuff pressure, automatically calculated during inflation (**Comfort**).
- Rapid and completely smooth deflation (**Precision**).
- Unique “Night Mode” for near silence during sleep (**Comfort**).



Accurate

Validated using both the AAMI/ANSI/ISO 81060-2:2013 and the European Society of Hypertension Protocols

Reliable

Dual pressure sensors for results you can always trust, with simplified maintenance

Enhanced clinical assessment thanks to an additional barometric sensor, complementing the integrated accelerometer



“...the assumption that blood pressure in sitting and supine position can be considered similar is incorrect”*

	Mean Difference between Sitting & Supine
Systolic	9.5 mmHg
Diastolic	4.8 mmHg

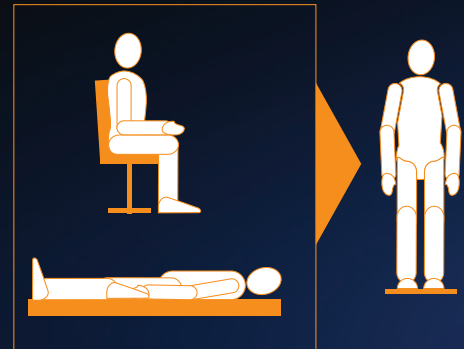
*Both body and arm position significantly influence blood pressure measurement

Journal of Human Hypertension (2003)

“Orthostatic Hypotension is diagnosed on the basis of an orthostatic challenge and implies a persistent systolic/diastolic blood pressure decrease of at least 20/10 mm Hg upon standing.


Its prevalence is age dependent, ranging from 5% in patients <50 years of age to 30% in those >70 years of age.”*

*Orthostatic Hypotension Epidemiology, Prognosis, and Treatment
J Am Coll Cardiol. (2015)



The **DIASYS 3 Plus** automatically analyses the pattern of Korotkoff sounds to detect irregularity and can differentiate between a regular and an irregular heart rhythm to highlight patients for further investigation.

Atrial Fibrillation is the most common cause of an irregular heart rhythm.

The addition of the Bluetooth  sternal patch further enhances this feature and adds the potential to record an ECG strip.

Robust

Reliable connectors

Splash Proof (IP22)

Intelligent

Accelerometer + Barometer for
3 Axis position assessment

Detection of
irregular rhythms

Fully compatible with
our advanced software

HOLTERSOF

ULTIMA

Diasys 3 Plus

SPECIFICATIONS	Size	85x85x25mm
	Weight	160g
	Weight (inc. batteries)	195g
	IP Rating	IP22
	Mode	Hybrid Auscultatory + Oscillometric
	Position Sensor	3 axis accelerometer + barometer
	Cuff Connection	Instant connection and disconnection
	PC Connection	USB Type-C
	Arrhythmia function	Irregular rhythm screening

Available accessories:

Pouch and belt or belt clip, Range of Cuff Sizes, Standard or rechargeable batteries
Standard USB interface cable (USB Type-C). Bluetooth Sternal Patch.

Distributed by

NOVACOR is a registered ISO 9001 and ISO 13485 company.



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