



Actual size

The ***Gold Standard***
in ABPM

Product of an on-going innovation process, the Diasys Integra II offers unique clinical features.

Reliability, Accuracy, Safety

The Diasys Integra II innovative technical solutions reinforce the Reliability and Accuracy of measurements taken in difficult conditions (artefacted environment, active patient, etc.), while ensuring patient Safety and Comfort.

- **Multimodal operation:** in addition to the **Auscultatory** and the **Oscillometric** modes, the Automatic mode analyses the signal and automatically selects the most suitable mode for the patient.
- **ECG gating** of Blood Pressure measurement, based on built-in QRS detection in the multi function cable.
- Feed-back Control, Adaptation and Automatic Compensation of cuff pressure.
- Back-up measurements and "Stand-by" mode.

New diagnostic perspectives

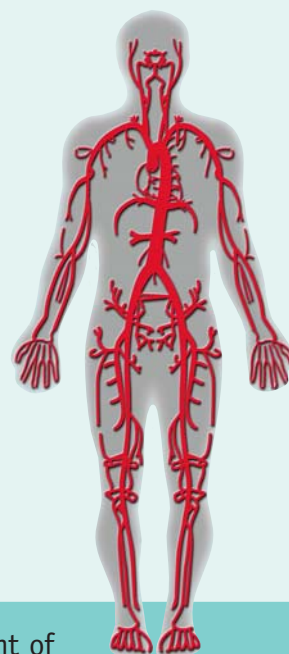
With the simultaneous recording of Blood Pressure, Heart Rate, Position and Arterial Compliance, the Diasys Integra II offers new diagnosis perspectives.



- Wide array of clinical applications of the Sensors.

The Position Sensor allows:

- Objective assessment of the **Awake** and **Rest** periods, for a more accurate analysis of day time and night time blood pressure trends and the detection of "non-dipper" patients.
 - Measurement interval responsiveness, allowing automatic adjustment of measurement intervals to the patient "true" activity.
- **The Orthostatism Sensor**, triggers extra BP measurements on patient posture changes, for a better follow-up of orthostatic hypotensions.



- Measurement of Arterial distensibility.

QKd interval measurement is a simple, reliable and reproducible parameter. Combined with a powerful analysis software, it is now considered as the Gold Standard in ambulatory arterial compliance measurement.

User friendliness

User friendliness and Patient comfort were in mind throughout the development of the Diasys Integra II to ensure optimal acceptance by the clinicians as well as the patients.

Ease of use

○ Immediate programming and reading

The intuitive software, combined with a very simple connection to the PC, allows rapid programming, data transferring and printing.

○ Simplified Set up

All the accessories have been specially designed to ease recorder set up and monitoring start up.

○ Minimal running costs

Using leading edge technology, combining high capacity rechargeable battery (NiMH) and a specially developed ultra-fast charger, the Diasys Integra II combines minimal operation costs with environment friendliness.



Optimal patient compliance

○ Record-breaking compactness

An indisputable technological know-how has reduced the Diasys Integra II format and weight to the minimum.

○ Optimal patient comfort

has been given considerable attention through

- A range of specially contoured cuffs perfectly fitting various arms.
- A monoline multifunction cable, performing both QRS detection for gated measurements and integration of the position sensor.
- Fast and accurate measurement algorithms.

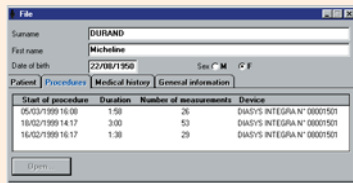


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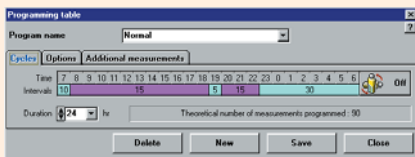
owerful software solutions

The very intuitive software constitutes a set of highly effective tools for Programming, Data processing and Patient Management. The modular structure enables the physician to address all Novacor Holter recorders with only one software.

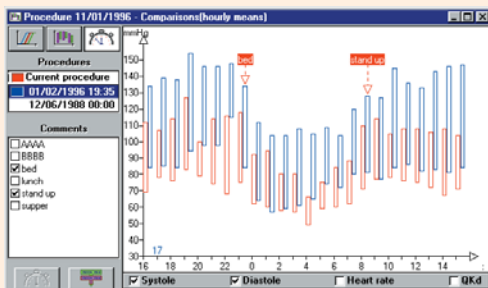
- Comprehensive patient files and data management.



- Programming of each monitoring parameter, allowing a perfect adjustment to the patient profile:
 - Operating mode (auscultatory, oscillometric, automatic).
 - Deflation speed.
 - Measurement interval, which can be programmed for each hourly period.
 - Extra measurement driven by BP levels outside preset thresholds.



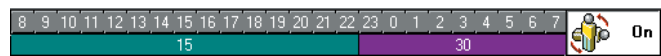
- Clear display of all the results for an immediate understanding
 - Measurements tables and chronograms
 - Statistical analysis of each parameter by programmable periods (e.g. day/night, standing or not, lying or not...), with thresholds settings.
 - Simultaneous display of several procedures to ease evaluation of a pharmacological treatment.



Standard functions can be extended through several options.

○ Position Option

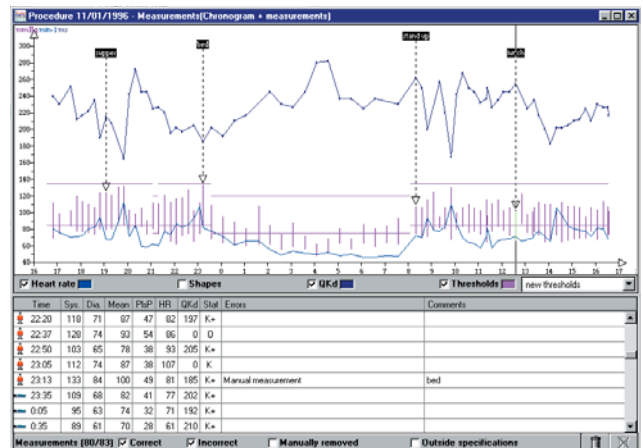
- Sensor driven measurement intervals, with automatic commutation between Awake period and Rest period.



- Triggering of extra measurements on patient posture change (for instance on getting-up).

○ QKd Option

- Graphical and statistical analysis of QKd values.
- Powerful mathematical tools designed to simplify interpretation of the QKd intervals in routine clinical practice.



- Flexible reports configuration.

*Based on 15 year's of experience, the **Diasys Integra II** represents the perfect synthesis between fully tested solutions and real innovations, both technical and clinical.*

USER FRIENDLINESS & PERFORMANCE

User friendliness

- **Easy to use:** Intuitive programming, Plug and Print mode, Quick Set up.
- **Patient comfort:** Ultra light recorder, optimally designed accessories, silent and fast operation.
- **Environmentally-friendly:** High capacity rechargeable battery.

Clinical performance

- **Advanced operating mode:** Auscultatory, Gated Auscultatory, Oscillometric + **Automatic mode switching.**
- **Multi-parameter monitoring:** Blood Pressure, Heart Rate, Arterial Compliance and Position.
- **Specific measurement triggering:** on pre-set blood pressure or patient position level.

Telemedicine Ready

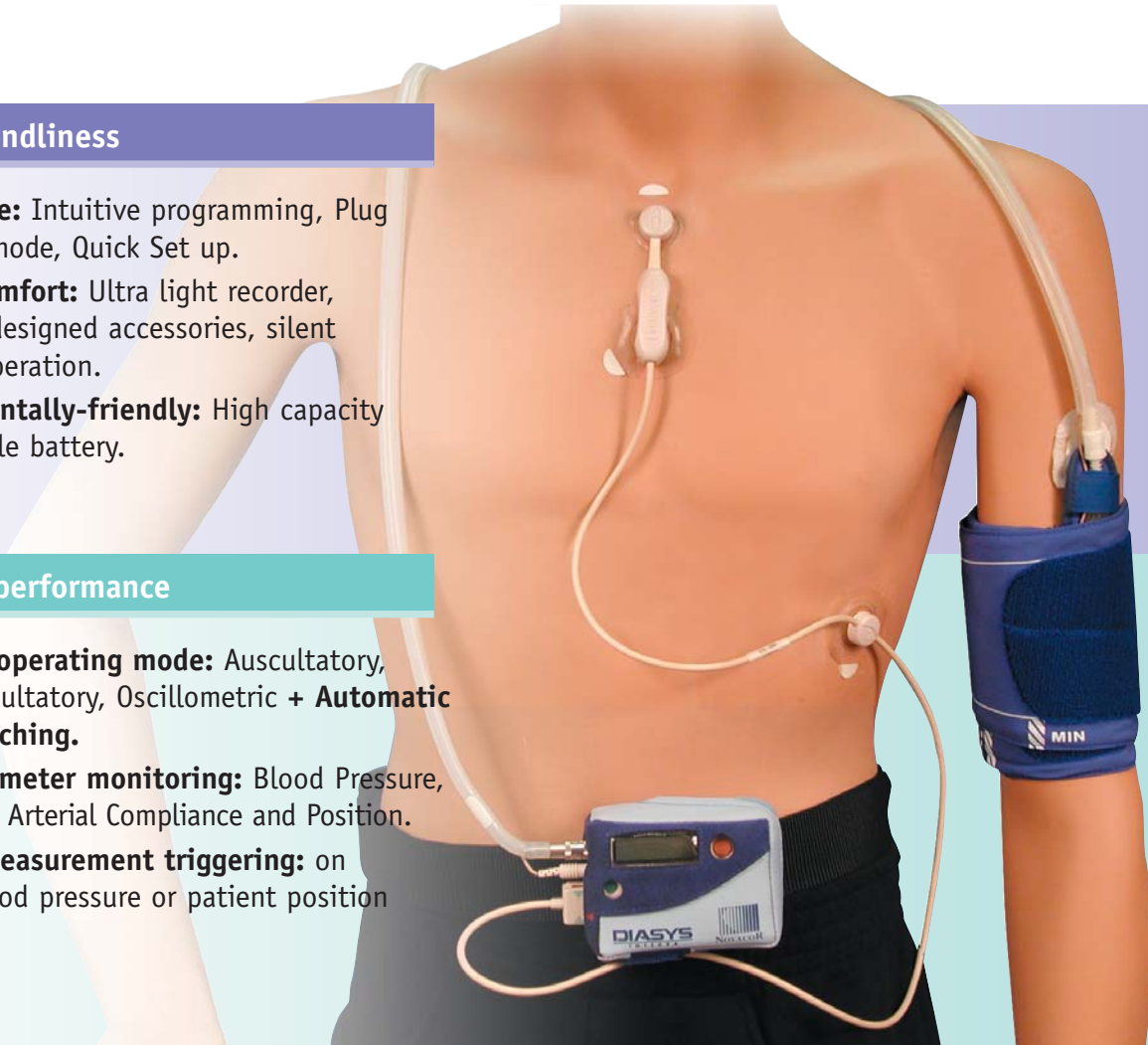
Pioneering advanced solutions for tomorrow's medicine, Novacor already offers full solutions for the Healthcare Network.

○ Email transfer

Automatic sending and recovery of email containing Diasys Integra II procedure data. Simple and flexible, the email transfer is the best solution for a care networks.

○ Modem transmission

Directly connected to a modem, the Diasys Integra II automatically sends its data to the Reception Centre. This transfer mode, which does not require any PC, allows a rapid diagnosis for patients in a remote area or with limited mobility.





A complete system

A complete range of accessories has been specifically designed for the Diasys Integra II to ensure optimal performance.

Diasys Integra II

Technical specifications

Length	93 mm
Width	63 mm
Height	27 mm
Weight with battery	approx. 195 g
Functioning temperature	+0°C - +50°C
Storage temperature	-20° C - +50°C
Recording duration	up to 48 h.
Number of measurements	up to 200
Pressure accuracy	+/- 3 mmHg
Cuff sizes	adult, large adult, paediatric
BHS validated	

Battery charger

Technical specifications

Diameter	88 mm
Height	34 mm
Weight with battery	approx. 130 g
Functioning temperature	+0°C - +50°C
Storage temperature	-20°C - +50°C

Diasys Integra II

Recorder and accessories

Diasys Integra II	Standard cuff - large size (including bladder)
Battery	Air/electric tubing - adult (with microphone)
UK Charger	Air/electric tubing - large size (with microphone)
ECG cable with position sensor	Air/electric tubing - paediatric (with microphone)
Orthostatism cable	Adult bladder
Printer	Paediatric bladder
Diasys-Printer cable	Large bladder
Diasys-PC cable	Adhesive pads for stabilising flap
PC access key	Diasys Integra II protective pouch
Diasys-Modem cable	Adult cuff protectors (50)
Diasys Integra II Manual	
Diasys Integra/ Diasysoft quick reference guide	
Standard adult cuff (including bladder)	
Standard paediatric cuff (including bladder)	

NOVACOR

4, passage Saint Antoine
92508 Rueil Malmaison - France
Tél. +33 (0)1 41 39 01 61
Fax +33 (0)1 41 39 01 99

www.novacor.com

NOVACOR UK
Southern Cross Industrial Estate
London Road
Swanley
Kent BR8 8EE
Tel : [44] 1322 660200
Fax : [44] 1322 669112

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