



NIBP UP®

Stand-alone Combi-system: PHYSIO-PORT DUO

Blood pressure and SpO2 measurement system for long-term monitoring



INNOVATION

MADE IN

GERMANY



Technical Specifications

Blood Pressure Measurement	
Measurement Method	Oscillometric method with NIBP® UP technology
Measurement Time	10 – 12 s (patient-dependent)
Measurement Interval	2 – 90 min, programmable
Capacity	200 Measurements or 30h
Measurement Range	
Systole	60–260 mmHg
Diastole	40–220 mmHg
Pulse Rate	35–240 bpm
Cuff	
Connection	Metal-Snap Connection
Size	Different sizes
Pressure	300mmHg maximal, adjustable
SpO2-Measurement	
Measurement Method	SMARTsat® SpO ₂ technology
Sampling Rate for SpO ₂ Measurement	every 1, 2, 5 sec
SpO ₂ Sensor	SoftCap® SC sensor
Measurement Range	
Measurement Range for SpO ₂ -Measurement	45 – 100 %
Pulse Rate	20 – 300 bpm
Accuracy SpO ₂	+/-2 % (70 - 100 %)
Accuracy Pulse Rate	+/-1 Digit (<=100/min) +/-1 % (>100/min)
System	
Storage Time	unlimited
Patient Interface	LCD (Measurement Results, Error Codes)
Controls	Membrane Keyboard (Start/Stop, Day/Night, Info)
PC-Connection	Digital Interface (USB)
Size (LxWxH)	ca.11 cm x 8,0 cm x 2,7 cm
Weight	190 g (with Batteries)
Power Supply	2 NiMH-Akkus (Typ Mignon AA, 2600mAh) <i>The use of non-rechargeable Batteries is non-recommended!</i>
Maximum Operation Conditions	
Temperature	+10° to +40°
relative Humidity	30 – 75 % (non-condensing)
Air Pressure	700 – 1060 hPa

PAR Medizintechnik GmbH & Co. KG
Platinum, Sachsendamm 6
10829 Berlin
Germany

Tel.: +49 30 235070-0
Fax.: +49 30 2138542
Internet: www.par-berlin.com
E-mail: info@par-berlin.com



"A new Generation in patient-friendly blood pressure measurement!"



"Reliable to all international safety standards!"



NIBP UP® Technology

The new and innovative NIBP UP® technology by PAR Medizintechnik is a revolution in patient-friendly blood pressure measurement. The most important improvement of this technology is the blood pressure measurement during inflation of the cuff (inflation method or IMT). This measurement technique allows deflation immediately after reaching the systolic pressure and leads to a halving of measuring time and a reduction of the compressive load. These changes are received very positively among clinicians and patients and result in a very high acceptance of patients.

Reliable Safety and Quality

Clinical studies show high precision of measurement results and the feedback of our customers confirm comfort and accuracy of measurements. Our Modules have a 2-Controller, 2-pressure transducer and 2-valve design for full compliance with international safety standards.

With this product, customers can trust in the accustomed quality of PAR Medizintechnik as usual, leading to high life expectancy through tested and high-quality components.

Standards:

EN 1060-3:1997 + A2:2009
 EN 60601-1-2:2007
 EN 62304:2006
 EN 60601-1:2006 + Cor:2010 + A1:2013
 EN 60601-1-6:2010
 EN 80601-2-30:2010

INNOVATION

MADE IN

GERMANY



"Optimal patient comfort and reliable disinfection!"



"Maximum resistance to mechanical stress in daily use!"



SMARTsat® SpO2 technology

The SMARTsat® technology comes along with the very latest and innovative signal processing technologies and algorithms. This measurement technique allows a good motion tolerance performance and ensures a highly accurate measured plethysmogram even under very difficult physiological conditions. According to the ISO Standards, the approved pulse oximetry sensors are calibrated and evaluated against dyshemoglobin-free reference measurements, which were determined from CO oximeter data and do not contain saturation components of the hemoglobin fractions

SoftCap® SC

The SoftCap® SC sensors from the Rubberboot® series are the 3rd generation of soft sensors utilising the latest production technologies, materials and design elements. The new Thermo-Q optosets from bluepoint® MEDICAL have a thermo-balanced light radiation characteristic with high light efficiency which significantly improves signal to noise ratio.

Standards SpO2 Measurement:

IEC 60601-1:2005 (3rd Ed)
 IEC 60601-1 (2nd Ed)
 IEC 60601-1-2:2014 (4th Ed)
 IEC 60601-1-2 (3rd Ed)
 EN ISO 80601-2-61:2011
 EN ISO 9919:2009
 ISO 14971:2007
 IEC 60601-1-6:2010
 IEC 60601-1-11:2010

Standards SpO2 Sensor:

ISO 10993-1:2009
 ISO 10993-5:2009
 ISO 10993-10:2010

INNOVATION

MADE IN

GERMANY