

NIBScan

Non-Invasive Blood Pressure Module



NIBP

oem.medlab.eu

- 32 Bit high-speed controller with artefact suppressing algorithm
- Very small size: 80 x 60 mm, maximum height 26 mm, weight 85 g
- Innovative pneumatic manifold design, optimized for low cost manufacture
- High reliability due to low part count
- Power supply: 5.5 – 15 Volts, one supply voltage only
- Low power consumption: max. 2600 mW inflating, max. 300 mW standby
- Module can be powered down completely using dedicated enable pin
- Purely oscillometric method, short measurement time
- Redundant pressure sensor and pressure relieve valve for patient safety
- Neonatal and adult mode
- Pulse rate: 30 – 230 bpm
- SYS, MAP, DIA: 25 - 280mmHg, 15 - 260mmHg, 10 - 220mmHg (adult)
- SYS, MAP, DIA: 20 - 150mmHg, 10 - 130mmHg, 5 - 110mmHg (neonatal)
- Serial interface (CMOS voltage levels 0 V and 3.3 V, 5 V tolerant)
- RS232 adapter and test and evaluation software available
- Transmission of pulse rate, systolic-, mean-, and diastolic pressure
- Status messages and commands sent over the serial interface
- Integrated automatic cyclic measurements, user-selectable intervals
- Developed to fulfil IEC 60601-1, IEC 80601-2-30, and ISO 81060-2 as far as possible for an OEM module (see documentation)
- Latex free cuffs with bladder available in five sizes



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