

Technical Specification for Finapres Nova (Quantity: 1)

Description: The Finapres NOVA is intended is a clinically certified reference device for non-invasive blood pressure and hemodynamic monitoring. The non-invasive blood pressure waveform is measured on the subject's finger. The device provides noninvasive characterization of the arterial circulation and its beat-to-beat variability in terms of pressure, flow and various hemodynamic parameters derived from these pressure and flow signals. Cardiac output derived from the flow signal requires a calibration with thermodilution.

The Finapres NOVA has the option to include additional modules to extend its functionality with ECG and SpO2 measurements and blood pressure calibration. When the SpO2 module is present, the Finapres NOVA can additionally monitor the functional oxygen saturation of arterial hemoglobin (SpO2) and the pulse rate. When the ECG module is present, the Finapres NOVA can additionally monitor the ECG parameters of a patient and their pulse rate. Alarms concerning the pulse rate will be available from the monitor. The ECG module provides only a visual clinical alarm. When the blood pressure calibration module is present, the Finapres NOVA can additionally provide an upper arm non-invasive blood pressure measurement to determine the blood pressure value for calibration.

S.NO	SPECIFICATION	COMPLIED/NOT COMPLIED	CATALOGUE PAGE NO
1.	<p>The Finapres®NOVA full option hardware combining:</p> <p>a)Finapres Nova (FP_NO3.283) ECG, Nova Basic (with 5 Lead ECG & SpO2)</p> <p>b)Hemodynamic Model Flow Application (FP_N98.004)</p> <p>c)Autonomic Testing Application (FP_N98.002)</p> <p>d)Blood pressure calibration module</p> <p>e) Extra Finger Cuff</p>		
2.	<p>Measurements to be supported:</p> <ul style="list-style-type: none"> •Continuous non-invasive assessment of <ul style="list-style-type: none"> a)Brachial and finger blood pressure b)ECG monitoring, c)Respiratory monitoring and d)SpO2 monitoring 		
3.	<ul style="list-style-type: none"> •Beat to beat assessment of basic hemodynamic parameters such as <ul style="list-style-type: none"> a)Systolic pressure b)Mean arterial pressure, c)Diastolic pressure, d)Blood pressure curves 		

	e)ECG parameters f)Respiratory parameters g)SpO2 parameters h)Cardiac output		
4.	•Support for 24/7 continuous patient-friendly monitoring		

(Note: It is mandatory for the bidders to provide the compliance statement in tabular column format along with catalogue page number (comply/not comply) for the Above points with document proof as required. Failing which bidders will be technically disqualified)