Technical Specifications – Blood Volume Monitor			
Description of function			
The device non-invasively measures key parameters such as hematocrit, oxygen saturation, blood volume percentage, and hemoglobin. These critical measurements provide valuable support for nurses, enabling effective monitoring and management of potential complications during dialysis treatment.			
S.No.	**General Specification**		
	Parameters	**Specifications**	**Comply (Yes / No/ Specify)**
1	**Technology of the measurement:** non-invasively measure absolute hematocrit and continuous oxygen saturation.	Specify the technology	
2	**Oxygen Saturation Instrument** Range and Accuracy	**@ Hct** ±5% (Pease Specify) • 45 to 60 • 20 to 45 • 10 to 20	
3	**Hematocrit Instrument** Range and Accuracy	10 Hct to 60 Hct: ±1 Hct SD	
	HD Blood Flow Rate	100 ml/min to 500 ml/min	
	Relative Blood Volume Calculation (RBV)	Real time RBV Changes with customizable alert and risk profiling availability	
4	**Monitoring and software support:**		
	Monitor	Specify Monitor Type	
		Monitor Dimensions L X H (Screen Size)	
	Data Storage capacity	Please specify storage capacity.	
	Connectivity / Data Export	1. Wi-Fi, Bluetooth or wired (Please Specify) 2. Data export – PDF, CSV (Please specify)	
	Security and Encryption	Medical data Encryption standard	
5	**Accessories:**		
	Sensor	Cable Length	
		Calibration cell	
		Attachment method	
	Consumables specifications	Material used (Biocompatible plastic)	
		Sterilization method of the consumables	
6	**Power Supply:**		
	Power Source	230 V AC, 50 Hz	
	Battery Type	Rechargeable battery (specify the chemical composition)	
	Charging Duration	Please Specify	
	Operating Range (Battery Back-up)	>2 Hrs	
	Recommended Battey life span	Provide the battery replacement schedule	

7	**Physical Characteristics:**		
	Dimensions of the Monitor (W x D x H)	Specify the dimensions	
	Weight	Specify the weight	
	Monitor Mounting mode	Specify the Mounting Mode (Pole mount/ Rolling Stand)	
8	**Warranty (Years)**	please specify warranty period	
9	**Product life span**	Please mention the life span of the equipment	
10	**Obsolescence (if any)**	Please provide the product obsolescence date along with details on future product support and the availability of consumables.	
11	**Product Support:**		
	Product Training	Singapore Training support	
	Service and calibration	Please indicate whether the preventive maintenance, service and calibration facility available in Singapore	
12	**Disinfection protocol**	High Level Clinical Disinfection, Specify the cleaning agent used	
13	**Safety Standard**	Must be HSA Approved, please provide the details	
14	**IP Rating (water and Dust proof)**	IP64 or above	
15	**Reference**	Provide the list of hospitals and dialysis centers that are using the quoted model	
16	**Delivery & Installation**	Please provide lead time for delivery.	
17	**Training**	User training must be provided	
18	**Sustainability Initiative**	Please highlight sustainability initiatives with reference to equipment. (e.g. energy efficiency, battery management, environmentally responsible manufacturing practices, recyclable packaging)	