PROSITY AND SURFACE AREA ANALYZER

Sr#	Description	Qty
	PORE SIZE AND BET SURFACE AREA ANALYZER:	One
	Analysis stations: 1 to 3	
	Built in Degassers: 2 to 4, Helium free options	
	BET capable for standard areas, Kr Capable for very low BET Areas	
	Meso-porosity, Nano, Micro porosity and chemi-sorption	
	Surface Area measurement: Specific surface area: 0.01 m^2/g	
	Pore Size Range: Mesoporous distribution range: 03 to 200 nm, Micro pore volume and area	
	BET Surface Area: Typical reproducibility: <1% CV	
	Pressure measurement: Overall pressure range: Vacuum to 1000 mm Hg, Sample pressure resolution:0.046 mm Hg,	
	Minimum Relative pressure: 6×10^{-5} mm Hg	
	Transducer Linearity: <0.1% BFSL	
	Transducer reliability: 0.0125% BFSL	
	Calibrated manifold: Temperature at 45^0C stability $\pm$ 0.1°C	
	Vacuum pump: Volume rate displacement: 1.5 m^3/hr, Power consumption: 130 W,	
	Ultimate Vacuum: 10^{-3} mm Hg	
	Sample preparation system: Number of outgas ports: 03	
	Furnace Specifications: Temperature range: 30to 350°C ,	
	Settability: 01°C, Stability: 05°C, Accuracy: $\pm$2°C	
	Environmental and power requirements: Auto switch power supply, 230 V, 50/60 Hz,	
	Operating temperature: 10-35°C	
	Spares & Accessories: For 5 year smooth running of the instrument	

Notes:
  a. Proposed Model: Autosorb-i Q Quantachrome or equivalent
  b. Make: USA, UK, Europe & Japan
  c. Training: Free Training of two members with boarding lodging and inspection at site of manufacturer or at site of end-user.