

PYCNOMETER SYSTEM

Sr.#	Description		Qty.
1.	Unit	Gas Pycnometer for Specific Gravity/Density Measurements	01
	Applications	Rock, Minerals, Soil, Sand, Powder, Cement, Ceramics, Foams, Metallurgy etc.	
	Other Functions	Optional: Percentage porosity, Specific Pore volume, Relative Humidity Analysis, Moisture & Permeation Analysis	
	Operational Mode	Fully Automatic Operation Via PC Control and Manual mode via front Panel Control	
	Data Handling	Window based analysis software, Printable reports, all data are recorded and transferable to spreadsheets.	
	Volume Accuracy	Better than +/- 0.01%-0.03%	
	Repeatability	Better than +/- 0.01%-0.015%	
	Resolution:	0.0001 g/cm ³	
	Analysis Time:	Fast operation	
	Sample Capacity	10, 20, 40, 60 & 100 cc	
	Dimensions	Small table-top unit	
	Analysis Gas	High purity Helium, Nitrogen, air, etc.	
	Pressure Range:	0-30 psig delivery pressure with isolation valve and CGA fittings	
	Temperature Control Option	Optional: Temperature controllable Option	
	Available Accessories	Adapters, Gas Regulator, Vacuum Pump, Temperature Control Module, Micro-Cell Option, Non-Elutriating Sample Cells, Percent Porosity Kit, Cutting Kit, and Foam.	
	Calibration volumes	Standard Samples for Calibration	
	Spares	One (01) additional Standard Ultra high purity helium kit, Extra sample cups (10, 20, 40, 60 & 100 cc)	
	Computer	Suitable Computer	
	Operational and Maintenance Manual	Yes	
	Training	At least one week training of two persons	
	Installation & Warranty	<ul style="list-style-type: none"> Supplier will be responsible for delivery and installation & a comprehensive Five (05) years warranty must be included with the system, Supplier will also be responsible for provision of spares of the system about Ten (10) years. 	
Notes:			
a. Make: USA, Germany/ Japan or equivalent in Western Europe			