



Instruments Purchasing Guide

1. surface area and porosimetry analyzers - by static volumetric principle (V-Sorb X800 series)

Applications\Models	V-Sorb 2800S	V-Sorb 2800	V-Sorb 2800P	V-Sorb 2800TP	V-Sorb 4800S	V-Sorb 4800	V-Sorb 4800P	V-Sorb 4800TP
Ports	2 degassing 2 analyzing	2 degassing 2 analyzing	2 degassing 2 analyzing	2 degassing 2 analyzing	4 degassing 4 analyzing	4 degassing 4 analyzing	4 degassing 4 analyzing	4 degassing 4 analyzing
Turbo Vacuum Pump				✓				✓
Adsorption/Desorption Isotherms	✓	✓	✓	✓	✓	✓	✓	✓
Langmuir Surface Area	✓	✓	✓	✓	✓	✓	✓	✓
BET (single & multi point) Surfaces Area	✓	✓	✓	✓	✓	✓	✓	✓
t-plot External Surface Area	✓	✓	✓	✓	✓	✓	✓	✓
BJH pore Size/Volume		✓	✓	✓		✓	✓	✓
t-plot Micropore		✓	✓	✓		✓	✓	✓
MP Micropore		✓	✓	✓		✓	✓	✓
HK Micropore			✓	✓			✓	✓
SF Micopore			✓	✓			✓	✓
DR & DA			✓	✓			✓	✓
Adsorption Constant C	✓	✓	✓	✓	✓	✓	✓	✓
Carbon Black STSA	✓	✓	✓	✓	✓	✓	✓	✓
CO ₂ ice&water Micropore		✓	✓	✓		✓	✓	✓



S: means **s**urface area;

P: means surface area + mesopore + microp**p**ore;

TP: means **t**urbo **p**umped;

2800 or 4800: means surface area + mesopore, with limited micropore abilities but data accuracy is only for reference;

2: means two analysis and degassing stations;

4: means four analysis and degassing stations.

2. gas pycnometer helium true density analyzer

G-DenPyc 2900—measuring true density, volume percentage of open and closed cells of rigid foam.

