

SA-9600V3 SERIES BET MULTIPOINT SURFACE AREA SA-9600V3ANALYZERS



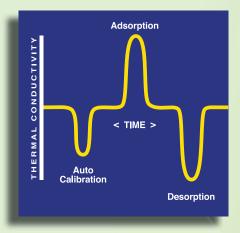
Explore the future

Introducing HORIBA's next generation of the SA-9600 Series, which brings exceptional convenience and confidence to surface area analysis. Now your single-point and multi-point surface area measurements can be performed with push-button ease. In single-point mode, up to ten sample analyses can be performed per hour.

HORIBA's use of the flowing-gas method allows routine total surface area measurements to be made as quickly as every six minutes, depending on magnitude of surface area. The three-station SA-9603 analyzer measures three samples simultaneously. The multi-point performance is comparable to the slower and more expensive static volumetric systems.

Applications

The SA-9600 provides quick, user friendly specific surface area analysis for a wide variety of powders ranging from catalysts to active pharmaceutical ingredients (API's). Low surface area API's and excipients are particularly well suited for analysis by the SA-9600, which provides a quicker measurement time at a lower cost than competitive options.



To ensure repeatable, accurate measurements the HORIBA analyzer calibrates the detector and zeros the baseline before every analysis. Because it is fully automated, the SA-9600 series eliminates variables that are sometimes introduced by operator involvement, such as the measurement of nitrogen or movement of the dewer flasks. Considering its many advantages, the SA-9600 series analyzers are very modestly priced, delivering the lowest per-analysis cost available.

Push and Go!

Just touch a buttton and the SA-9600V3 analyzers automatically perform every measurement step. Detector baselines are zeroed, then a high precision valve injects 1 cc of nitrogen (N₂) into the flow system to calibrate the analyzer. Next a liquid nitrogen bath is raised around the sample cells. From a stream of mixed gas flowing through the sample cell, N is adsorbed on the powder's surface. Then the bath is lowered, and the amount of desorbed N₂ is measured and proportioned to the calibration signal to determine the sample's surface area. Finally, the surface area is divided by the sample's weight to provide the specific surface area in m²/g. For multipoint analysis, this sequence is repeated for each of the gas mixture points. For single-point surface area analysis, the flowing gas is 30% nitrogen (user selectable.)

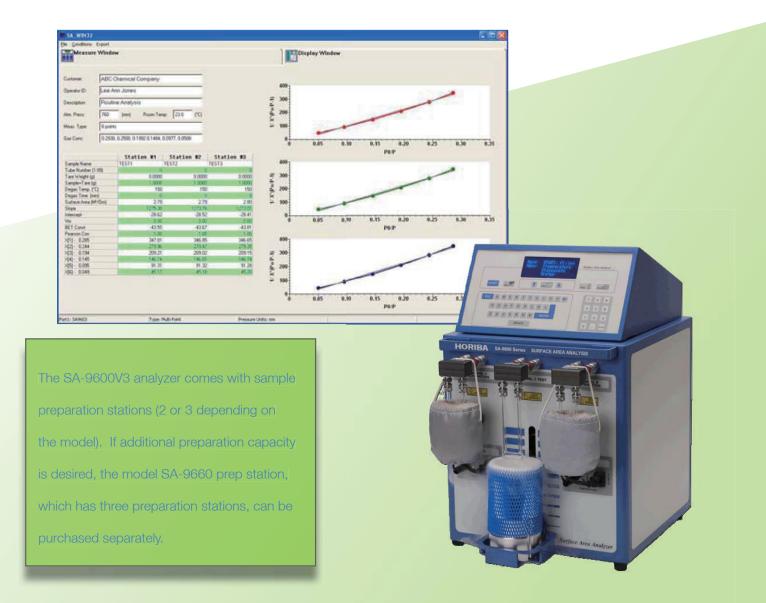


Runs as a stand alone...

The SA-9603, the three-station analyzer is a complete solution with an on-board computer, full alphanumeric keyboard, vacuum fluorescent display and integrated three-sample de-gas preparation station. Additional de-gas capacity is available via a dedicated SA-9660V3 three-sample prep station. The analyzer stores up to 100 analyses in memory and provides a parallel output to furnish ASCII files to printers or send serial output to LIMS.

...And Connects to a Remote PC.

Complete with newly designed software, the SA-9600V3 series analyzers can be operated remotely from any PC with Windows.







SA-9600V3 Series Specifications:

	SA-9601	SA-9601MP	SA-9603	SA-9603MP
Single point surface area	Yes	Yes	Yes	Yes
Multi-point surface area	No	Yes	No	Yes
Analysis stations	1	1	3	3
Preparation stations	2	2	3	3
Range	0.10 to > 2000 square meters per gram			
Analysis time	Typically 6 minutes per sample	Typically 6 minutes per point	Typically 6 minutes per analysis (three simultaneous samples)	Typically 6 minutes per point (three simutaneous samples)
Repeatability	<1% relative standard deviation (RSD)			
Power Requirements	100, 120, 220 or 240 volts AC, 50/60 Hz Maximum peak power 200 Watts,			
Weight	34.5 pounds (14.5 kg.)	38 pounds (17.7 kg.)	38.5 pounds (15.9 kg.)	42 pounds (18.14 kg.)
Dimensions	20" H x 14" D x 14" D (50.8cm H x 35.6cm W x 35.6cm D)			

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