



Multiplelabs
Turnkey Laboratories Solutions

FUSION-9600

Single Beam Atomic Absorption Spectrophotometer



►► APPLICATIONS

Metallurgical

Analysis Various metallic elements can be analyzed very fast and accurately in metallurgical samples from trace level to percentage.

Quality Control labs of metals manufacturing Industries

Quality of Input materials and end products can be analyzed in manufacturing industries of various metals.

Minerals & Ores

Percentage of metallic elements in Ores and mineral samples can be found out.

Agriculture Soil and Fertilizer Testing

Soil can be analyzed for micronutrients like Zinc, Iron, Manganese, Copper, Boron etc. Fertilizers and micronutrients mixtures samples can be analyzed for the above micronutrients.

Pharmaceutical Industries and Test Lab

Pharma samples can accurately be analyzed for metallic elements.

Pollution Control Laboratories

Effluent analysis for heavy/ hazardous metals like Lead, Mercury, Arsenic, Zinc etc., can be done effectively.

Chemical Industry

Metalic elements in the chemical compounds can be analyzed.

Petrochemical and Refineries

Elemental analysis in petrochemical products and effluents can be done.

Food & Water

Heavy/ Hazardous metals like Arsenic, Lead, Mercury etc. in food and water can be analyzed.

Glass & Ceramics

Silicon and other elements in glass & Ceramic can be analyzed.

►► SPECIFICATIONS

Monochromator	1200 lines / mm Grating Monochromator Ebert Design
Wavelength Range	185 to 900 nm
Electronics	Windows based program which can be loaded on any pentium model. User friendly software with Graphics
Lamp Supply	Continuously variable Lamp current 0 to 25 ma modulated at 290 Hz.
Photo Detector	Highly sensitive Photo Multiplier Tube
Personal Computer	Any standard PC of Pentium model can be used
Printer	Ink jet/ Dot Matrix printer can be connected through parallel port
Gas Control	Manually adjustable Pressure Regulators with Gauges for Air/Nitrous oxide. Oxidant and Gas flow is controlled by Rotameter
Power Supply	AC 230V \pm 10% single phase
Dimensions	1000 x 400 x 300
Weight	40 kg (approx)

We could bring out PC based Atomic Absorption spectrophotometers with very low price tag by optimizing Optical, Mechanical and Electronic designs using latest technology like Microcontrollers etc. We use important and expensive optical parts like Gratings imported from USA, Photo multiplier Tubes from Japan and Pressure handling Ball valves from France. Though we name it low cost, results are comparable with any expensive model, since we don't compromise with the quality of our systems. User friendly software is developed with minimum operations for analysis. Graphics and Print facilities are provided for the convenience of user. Effective and prompt after sale service (if at all needed) is assured. Our motto is quality and affordability should go together.