

Varian SpectrAA 220 Fast Sequential (FS) Atomic Absorption Spectrometer System, \$3500 + Shipping

1. **Model:** Varian SpectrAA 220 Fast Sequential (FS) Atomic Absorption Spectrometer
Serial Number: EL00013319

Description: “A fully automated double beam system with Fast Sequential operation for improved productivity. The SpectrAA 220 series offers you enhanced capabilities, including full PC control and automated operation as standard. The SpectrAA 220 series is available with a range of options, including automatic lamp selection and programmable gas control, providing fully automated operation. The SpectrAA 220 optics feature four lamp positions with automated wavelength and slit selection, and high intensity deuterium background correction as standard. Lamps are mounted in fixed positions, and a rotating mirror is used to select the operating lamp, eliminating the need for a conventional turret.”

2. **Model:** Varian GTA 110
Serial Number: EL00023536

Description: “GTA-110 graphite furnace provides:

- Rapid, even heating of the low mass, end heated graphite tubes
- High sensitivity, from the long atom cell and CTZ design, ensures the lowest possible detection limits
- Reduced memory effects, even for the difficult refractory elements
- Accurate and reproducible temperature control, achieved using our patented Dynamic Feedback Temperature Control system
- Optimized inert gas flows ensure extended graphite tube lifetimes are achieved, providing economical operation.”

3. **Model:** Varian VGA 77
Serial Number: EL00043872

Description: “Varian’s fully automated, modular VGA-77 (Vapor Generation Accessory) is ideal for rapid trace level analyses of mercury (using the proven cold vapor technique) and other hydride forming elements at part per billion ($\mu\text{g/L}$) concentrations. The VGA-77 offers:

- Maximum sensitivity
- High sample throughput of up to 70 samples per hour
- Excellent precision of 1-2% RSD
- Low sample consumption of less than 8 mL per element during analysis
- Modular construction for rapid changeover and reduced contamination when switching between elements with conflicting chemistries.”

4. **Model:** Sample Preparation System (SPS) 5

Serial Number: EL00023496

Description: “The SPS-5 offers so much more than any other autosampler, with unmatched sample capacity for extended operation, off-line sample preparation capabilities, and a flexible choice of racks accommodating different test tube types. You even have the flexibility to use your own racks. Key capabilities include:

- Capacity for up to 500 solutions, loaded in convenient sample racks
- The ability to determine more solutions, simply by changing racks
- A choice of five inert rack types for different vessel sizes
- A flexible ‘Type 25’ rack with adjustable settings to accommodate different tube heights and low cost rack overlays for alternative tube diameters
- Automatic rack identification that reduces rack-changing errors. All racks contain a unique magnetic code that enables the software to identify racks loaded during analysis.
- A custom rack definition feature that enables you to program the SPS-5 to accept any rack type in any position.
- A programmable probe height that enables layers within a solution to be sampled
- Three rack positions are supported as standard
- An optional rack extension supports two additional racks”





