

Perkin Elmer 303 Atomic Absorption Machine

[Inventory ID #1628358]



Perkin Elmer 303 Atomic Absorption Machine

- Make: Perkin Elmer
- Model: 303
- Type: Atomic Absorption Machine (AA Machine)
- Year: 70's Vintage
- Power Requirements: 120 Volt, 50/60Hz
- Condition: Used Condition

- Technical Features and Components:
 - Spectrometer Type: Double-Beam Atomic Absorption Spectrophotometer
 - Atomization: Flame Atomizer Utilizing Acetylene/Air as the Oxidant
 - Optics: Front-Surfaced, Reflecting Optics with Protective Coating, Initially Sealed with a Semicircular Metal Rear Shield
 - Wavelength Selection: Capable of Precise Wavelength Selection for Identifying Specific Elements
 - Detector: Typically Uses a Photo-Multiplier Tube
 - Light Source: Compatible with Intensitron Hollow Cathode Lamps Designed Specifically for Element Detection
 - Operation: Manual, Knob-Controlled Interface Requires the User to Select Wavelengths and Adjust Flame Conditions
- Applications and Performance:
 - Trace Element Analysis: Widely Used for Detecting Trace Amounts of Metals Such As Lead (Pb), Cadmium (Cd), Copper (Cu), Zinc (Zn), and Iron (Fe)
 - Performance: Known for High Sensitivity and Being a Significant Improvement Over Early Alternatives like the "EEL" Spectrometer
 - Industries: Used in the Chemical, Water Quality, and Food Analysis Industries, Including Testing Ceramic Glazes and Water Samples



- Location: Savona, British Columbia, Canada

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