

Buck AA's Thrive where others fail!



Buck AA Systems can be found toiling away in the most remote locations on earth. From deep in the Andes mountains of South America, to the Yukon territory in Northern Canada, Buck AA systems are relied upon and trusted for their reliability, ruggedness and simple design.

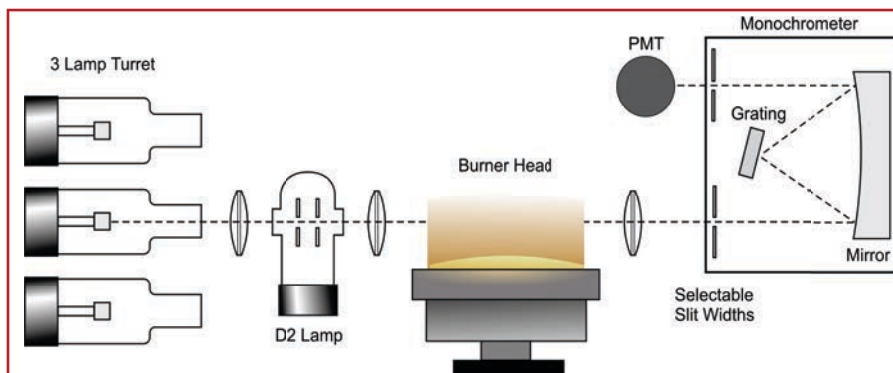
Our 235ATS gets safety upgrades from the base 230ATS. A flame sensor cuts gasses in case of flame outage. The drain sensor prevents drain bottle flashbacks from acetylene build-up. The automated gas box prevents flashback from occurring while changing oxidant from air to N₂O.

Features

- High energy optical design for superior sensitivity
- In-line D2 Background correction
- Automated wavelength setting
- Push button oxidant change-over for N₂O
- Flame detector with automatic gas shut down
- Sample drain sensor to prevent flashbacks
- Automated Slit selection
- Push button ignition
- 10" Color touchscreen
- 3 lamp turret
- Small footprint
- Made in the USA



Auto gas box & push button ignition



Our in-line D2 background correction uses less mirrors for higher energy & superior sensitivity

Buck Scientific Offers the very best in after sales support

Installation and familiarization

Our technician will come and install the instrument & show you how to use the instrument controls (4 hours).

Advanced Atomic absorption training

Our advanced training is 8 hours on site. We can teach 2-3 lab tech's the principles of AA. Teach operators how to use the instrument and develop a method for compliance.

Buck Scientific Factory Training

Each quarter Buck Scientific offers factory training for Atomic absorption, UV/Vis, & Microwave digestion. The courses are 8 hours each and cost \$695 per student. By the end of the day you will be comfortable running samples through the instruments here in our demo lab, and know how the instruments work.

Model	235ATS AA Spectrophotometer
Electrical requirements	Auto selectable 100V to 230V 50/60Hz input
Power Consumption:	.5 A
Optics: Detector: Lenses: Monochromator: Grating: Wavelength adjustment: Reproducibility: Resolution:	model 928; wide range general purpose, 190-930nm Supracil - amorphous silica 0.25m Ebert mount 32nm x 27nm; 600 grooves/mm 3 digit motor driven, 0 to 1000nm +0.1 nm +0.1 nm variable slit - 2Å, 7Å, and 20Å
Operating Modes: Absorbance/Emission: Concentration: Integration Period: Screen Refresh : Analog (Recorder) Output: Background Correction:	-0.0820 to 3.2000 to 5 significant digits 0.1 to 99.9 seconds 0.224, 0.448 or 0.896 seconds 1V/ABS (-0.08 to 3.2V) In-line Deuterium Arc
Hollow Cathode Lamps: Dimension: Lamp Current: Duty Cycle: Modulation Frequency:	1.5" OD Striking Voltage: 500V 0 to 18 mA average current (typical current is 1.5-8.0 mA) 25% (142 Hz Nominal)
Burner Assembly: Design: Burner Heads: Adjustments:	Polyethylene Pre-mix chamber, glass impact bead dispersion Titanium; air-acetylene head - 4" x 0.026" single slot nitrous oxide head - 2" x 0.019" single slot Manual Horizontal and Vertical positioning
Performance: Average Noise : Reproducibility:	0.0018 ABS (Cu at 324.7nm, 7Å slit, 5 sec. int.) <+5% relative standard deviation