Product name:	Product code:
Atomic Absorption Spectrophotometry and Accessories	NUGBLY0045



Description

Atomic Absorption Spectrophotometry and Accessories

Technical specification

Reciprocal linear dispersion: 1.6 nm/mm (nominal) Focal length: 267 mm
Spectral Bandwidths User selectable automatic slit widths of 0.2, 0.7 and 2.0 nm at their optimized slit height.
Detector Wide-range segmented solid-state detector, including a built-in low-noise CMOS charge amplifier array.
Furnace Features Analytical programs with up to 12 steps can be set up. Each step can be programmed with the following parameters:
Temperature Ambient up to 2600 °C (up to 3000 °C with 900H) in steps of 10 °C
Ramp Time 0 to 99 sec in steps of 1 sec Hold Time 0 to 99 sec in steps of 1 sec
Internal Gas Flow 0 mL/min (gas stop), 50 mL/min (mini-flow), 250 mL/min (full flow); can be switched over to another type of gas (alternate gas).
Data Control Complete PC control for AA software operating under Microsoft® System Windows® 7. Provides complete control of the instrument and its major accessories plus data handling and storage.
Including the following components:
Water re-circulator
For AA Software Assembly
ANALYST BURNER HEAD N2O-C2H2
Nebulizer Adjustable Plastic NEBULIZER TUBING ASSEMBLY ANALYST BURNER HEAD N2O-C2H2
COMPRESSOR AA OIL FREE AIR 220V/50- 60HZ.
Deliver 1.8 cfm (50 L/min) at 60 psi (4.2 kg/cm2). Mounted on a 10-gallon (38 liter) tank built to ASME high-strength specifications. 230 V., 50 Hz.
AIR/ACETYLENE FILTER ASSY
ACETYLENE GAS CYCLINDER WITH REGULATOR NITROUS OXIDE PRESSURE REG
ARGON/NITROGEN GAS CYLINDER WITH REGULATOR
Blower and Vent Assembly extraction system
Hollow Cathod Lamps
Au LUMINA HCL, Al LUMINA HCL, EDL SYS 2 AS, AG LUMINA HCL, B LUMINA HCL, BA LUMINA HCL, BE LUMINA HCL, BI LUMINA HCL, Ca LUMINA HCL, CD LUMINA HCL, CO LUMINA HCL, CR LUMINA HCL, CU LUMINA HCL, FE LUMINA HCL, EDL SYS 2 HG, K LUMINA HCL, LI LUMINA HCL, MG LUMINA HCL, MN LUMINA HCL, MO LUMINA HCL, NA LUMINA HCL, NI LUMINA HCL, PB LUMINA HCL, PD LUMINA HCL, PT LUMINA HCL, SB LUMINA HCL, SN LUMINA HCL, SR LUMINA HCL, TI LUMINA HCL, W LUMINA HCL, ZN LUMINA HCL
Aqueous standards 500mL 100 ppm for Elements in above lamps (SHORT CABLE)
Flame and Autosampler for AA
Is a computer-controlled multi-purpose sampling system for AAS. The autosampler automates standard and sample introduction for instrument calibration and sample analysis, extending the spectrometer’s capabilities to those of a fully automated analytical workstation.
high-precision motors moves the sampling arm of the in the X and Y coordinates simultaneously, Random-access programming giving flexibility in the placement of samples and reference solutions. provides more than 200 vessel positions for maximum capacity built-in peristaltic pump for continuous rinsing of the sampling capillary between samples to significantly reduce the risk of carryover.
Mercury/Hydride System
Manually operated system for the high sensitivity determination of Hg and metallic
hydride-forming elements such as As, Bi, Sb, Sn, Se, and Te. Includes analyzer with sample flask and reagent reservoir. Switch allows selection of NaBH4 or SnCl2 reductant solution. Also includes a quartz cell, which may be heated with an air- acetylene flame. No electrical connections are required.
Quartz Cell Holder.
Required to mount the flame-heated quartz cell of the Hg/Hydride System or the Flow Injection System on all burner systems.
Computer Printer
Installation & Basic operational training

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