



**SUPPLY & INSTALLATION OF FLAME/GRAPHITE ATOMIC ABSORPTION SPECTROPHOTOMETER**  
**(Perkin Elmer Analyst 200/300/400)**



	<b>Model: AAnalyst 200</b>	<b>Model: AAnalyst 300</b>	<b>Model: AAnalyst 400</b>
Burner atomizer	Premix design with solid titanium, 10 cm burner head for air/acteylene 2	Adjustable titanium Graphite furnace	premix design with solid titanium, 10 cm burner head for air /acteylene 2
Other info	Optional graphite furnace with 146position auto sampler, manual mercury/ hydride or flow injection; self-rinsing flame auto samplers; user replaceable electronics; GUI supports 8 languages; automatic background correction; flow injection furnace coupling Win		optional graphite furnace with 146position auto sampler; manual mercury/hydride or flow injection; sample preparation; self-rinsing flame auto samplers; flow injection furnace coupling (winlab 32 software and external pc required). 21 cfr part 11 compliant
wavelength, nm	1 channel, double beam	1 channel, double beam	1 channel, double beam
Hz	50/60	50/60	50/60
Display info	Video display absorbance, emission, concentration, SD, RSD, curves, peaks, operating conditions, error messages	Video display absorbance, emission, concentration, SD, RSD, curves, peaks, operating conditions, error messages	Video display absorbance, emission, concentration, SD, RSD , curves, peaks, operating conditions, error messages
Working curve	Automatic zero with 8 standards calibration	Automatic zero with	automatic zero with 15 standards, calibration 3
Memory	Built-in storage for 300+ flame or MHS methods	Hard and floppy	hard and floppy disks, no limit on method or data storage all functions and accessories controlled by winlab32 software.
Integration, sec	0.1-99	0.1-99	0.1-99 sec
Graphics	Full-color 9" protectively coated LCD touch screen, VGA resolution	High-resolution	high-resolution color crt
Printer	Optional HP Desk Jet or Laser Jet	Optional LaserJet or Deskjet	hp laser jet or desk jet
Microcomputer	586 PC104 running Win CE, optional Dell or compatible		dell or compatible
Interface protocol	RS232	IEEE	IEEE
Dimensions HxD	25.6 x 27.6 x 25.6 inch	46x 96 x 68	65 x 70 x 65 without pc
Weight, kg	49	54.4	47
Background correct	Optional deuterium arc lamp with auto intensity, gain controls correction to >3 absorbance units	Optional deuterium	deuterium arc lamp with auto intensity, gain controls, correction to >3 absorbance units



# TECHNOCRATIC SERVICES

ISO 9001:2015 Certified Company

Monochromator	Echelle monochromator with 79 lines/ mm, 76° blaze angle, automated wavelength and slitsize control	Littrow with 1,800	Echelle monochromator with 79 lines/ mm, 76° blaze angle, automated wavelength and slitsize control
Focal length	300mm	274	300 nm
Wavelength nm	189-900UV radiation intensity	185-860	189-900(uv radiation intensity)
Resolution, nm	0.135 @ 189	0.2,0.7,2	0.135 @ 189 nm
Scattering,	0.075 @ 189 nm/mm	1.6	0.075 @ 189 nm/mm
Gas regulators	Fully automated with controlled oxidant selection, automatic gas sequencing, oxidant and fuel monitoring, automatic N2O-C2H2 switching, safety sensors and interlocks, liquid trap and drain	Computer-controlled	fully automated with controlled oxidant selection, automatic gas sequencing, oxidant and fuel monitoring, automatic N2O-C2H2 switching safety sensors and interlocks,liquid trap and drain
Ignition	Automatic	Automatic	Automatic
Power needed	115/230		
Hollow-cathode lamps	Coded HCL or optional single or dual EDL, 1-lamp mount or optional automatic 4-lamp holder	HCL or EDL, automatic 6-lamp turret	coded HCL or EDL, automatic 4-lamp holder
	<b>Ca</b> 38838 (detection limits,ppb) <b>Cu</b> 38838 (detection limits,ppb) <b>Fe</b> 7 (detection limits,ppb) <b>Li</b> 0.8(testing range, mmol/l) <b>As</b> 0.3(detection limits,ppb) <b>Cu</b> 0.1(detection limits,ppb) <b>Ni</b> 0.3(detection limits,ppb) <b>Pb</b> 0.08 (detection limits,ppb) <b>Se</b> 0.3 (detection limits,ppb)	<b>Flame photometer</b> <b>Ca</b> 1.5(detection limits,ppb) <b>Cu</b> 1.5 (detection limits,ppb) <b>Fe</b> 5 (detection limits,ppb) <b>Li</b> 0.8(testing range, mmol/l) <b>Mg</b> 0.15(basic/time, min) <b>Graphite furnace</b> <b>As</b> 0.05(detection limits,ppb) <b>Au</b> 0.01(detection limits,ppb) <b>Ni</b> 0.07(detection limits,ppb) <b>Pb</b> 0.05(detection limits,ppb) <b>Se</b> 0.05(detection limits,ppb)	<b>Ca</b> 38838(detection limits,ppb) <b>Cu</b> 38838(detection limits,ppb) <b>fe</b> 7(detection limits,ppb) <b>Li</b> 0.8(testing range, mmol/l) <b>Mg</b> 1(basic/time, min) <b>As</b> 0.3(detection limits,ppb) <b>Cu</b> 0.1(detection limits,ppb) <b>Ni</b> 0.3(detection limits,ppb) <b>Pb</b> 0.08(detection limits,ppb) <b>Se</b> 0.3(detection limits,ppb)



Make: **PerkinElmer** USA

**Please contact: Erum manzoor 03330297007, 03212202241, 0300-3972448, 021-35001798**