



AAS7800 Flame Atomic Absorption Spectrophotometer 190-900nm

Compressor, 6 Lamp Turret, Graphite Furnace - Flexible configuration

Price - €

Download
Catalogue



6 -Lamp Turret

Simultaneously analyse 4-6 elements within one minute (similar speed to ICP)



Graphite Furnace

Room temperature Up to 3000°C



Hydride Generator -Creep Pump

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Flexible Configuration

Flame only, Graphite Furnace only, Hydride Generator, Auto sampler (optional).



Software Communication

To setting data, Acquire data, data analysis,

The outstanding feature of this product is that multi-elements can be analysed simultaneously. It is very suitable for analysing multiple components in one sample. It uses similar analysis mode to that of ICP, but has the price of atomic absorption spectrophotometer. It can greatly increase analysis efficiency and save sample volume. Besides, this model, according to user's demand, can also analyse one single component, working in the same mode as a flame atomic absorption spectrophotometer.

- Simultaneously analyse 4-6 elements within one minute (similar speed to ICP) AAS price while enjoy ICP function (multi-elements analysis simultaneously)
- Fast analysis, similar to the speed of ICP, test result of multiple components come out simultaneously by one sampling
- Freely combine the multiple elements according to the requires of analysis
- Save sample volume for multiple components analysis
- Rapid change of gas flow, grating rotation, slit and hollow cathode lamps
- Unique optical design greatly increases the sensitivity in visible range
- Excellent mechanical and optical system plus outstanding software ensure the measurement accuracy
- Electronic control of flame gas flow
- Closed & isolated optical system
- Suspension type of optical platform design
- Power control of graphite furnace temperature programming
- Stack design of combined flame and graphite furnace makes the system compact, 10 seconds to complete flame/graphite furnace switch
- High-performance auto sampler conveniently and reliably improves laboratory efficiency
- Intelligent COLO workstation provides simple and easy-to-use user experience and laboratory standard requirements
- Flame system: Air/Acetylene burner head: 100mm
- Notice: The buyer should have using experience with AAS

AAS7800	AAS7800A	AAS7800D	AAS7800E
Wavelength range	190-900nm		
Grating	1800 lines/mm		
Wavelength indication error	≤±0.3nm		
Wavelength repeatability	≤0.1nm		
Wavelength accuracy	±0.2nm whole range		
Photometric range	-0.1-2.5 (A)	-0.1-2.5 (A)	0-2.5Abs
Spectral bandwidth	: 0.1, 0.2, 0.4, 0.7, 1.0, 2.0nm		
Static baseline drift	≤0.002ABS/30min(Cu)		
D2 background correction capability	≥50 times when background signal =1A		
Resolution	spectral bandwidth = 0.2nm, can separate Mn two lines(279.5nm and 279.8nm), valley/peak energy ratio<20%		
Auto sampler	Optional 85 position		
Hydride Generator	x	x	x
Multi element - 6-lamp turret	x	x	Yes
Graphite Furnace	x	Yes	Yes RT to 3000°C
Multi elements analysis	x	x	Yes
Software	Option	Option	Standard
Flame system	Air/Acetylene burner head 100mm		
Repeatability	: Cu≤0.5% ; (Absorbance>0.8Abs)		
Detection limit: Cu≤0.004ug/ml	Cu≤0.004ug/ml		
Spray chamber	: polypropylene coating		
Safety	over current protection, alarm when the pressure of protection gas is low, automatically stop heating when over temperature		
Power supply	AC220V±22V 50Hz±1Hz		
Weight	80kg		
Dimension	700*550*440mm		

Please note

If this Spectrophotometer does not match the specific needs of your application, or some options are not listed for sale, please feel free to contact us. Our manufacturing engineers will come up with technical solutions to meet your needs. We reserve the right to change technical specifications at any time.

COLO LabExperts



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