



DOUBLE BEAM ATOMIC ABSORPTION SPECTROPHOTOMETER BEQ-4101

ATOMIC ABSORPTION SPECTROPHOTOMETER BEQ-4101

DOUBLE BEAM ATOMIC ABSORPTION SPECTROPHOTOMETER



Build-in computer data processing and LCD display

Stable and reliable with the functions of integral holding, peak height and area, auto zero adjusting, deuterium lamp background correction, multi-linear and nonlinear curves fitting, various parameters and working curves displayed in screen and report printing, etc. It is equipped with interface for externally linking PC.

High precision of measurement

Gas path system is equipped with precision pressure stabilizing and current stabilizing devices to reach stable flame and low noise. Specially designed fine light beam passes through the flame to ensure a high precision analytical test and low characteristic concentration.

Stability

SPECIFICATIONS

Model	BEQ-4101
Wavelength Range	190-900nm
Spectral Bandwidth	0.2nm, 0.4nm, 0.7nm, 1.4nm, 2.4nm, 5.0nm
Wavelength Accuracy	0.5nm
WL repeatability	0.3nm (single direction)
Spectrum bandwidth	0.2nm, 0.4nm, 0.7nm, 1.4nm, 2.4nm, 5.0nm
Resolution	<40%
Base line stability	0.004Abs/30min
Characteristic concentration of copper	0.04g/ml/1%
Detection limit of copper	0.008g/ml
Background calibration ability	Greater than 30 times
RS232	including
Printer	optional
Power supply	220V 3A, 50Hz
G.W.	160Kg (Main instrument), 65Kg (Accessories)
Package Dimensions	1220x770x730mm (Main instrument) , 800x400x900mm (Accessories) Titanium burner-5cm
Alt Name	Double Beam Atomic Absorption Spectrophotometer

ACCESSORIES FOR PURCHASE

No	Name
1	Graphite Furnace
2	Air Compressor
3	Printer
4	Burner Head
5	Software (No computer included)
6	Glass Atomizer
7	Hydride Generator
8	Chilled Water Unit
9	Ventilating Hood (1.5 meters)
10	Titanium Burner, 10 cm

FEATURES

Build-in computer data processing and LCD display

Stable and reliable with the functions of integral holding, peak height and area, auto zero adjusting, deuterium lamp background correction, multi-linear and nonlinear curves fitting, various parameters and working curves displayed in screen and report printing, etc. It is equipped with interface for externally linking PC.

High precision of measurement

Gas path system is equipped with precision pressure stabilizing and current stabilizing devices to reach stable flame and low noise. Specially designed fine light beam passes through the flame to ensure a high precision analytical test and low characteristic concentration.

Stability

Double-beam system can automatically compensate the light source drift and wavelength drift caused by the variation of temperature and electronic circuit drift so as to reach a good basic line stability.

Long-life and anti-corrosive atomization system

The burner is made of new type titanium alloys, anti-corrosive and fast thermal equilibrium. It meets the requirement of measurement sensitivity without water-cooling.

Safe and reliable gas path system

The gas circuit is equipped with pressure indication, high-precision pressure and flow regulation, gas cut-off, power failure, backfire prevention functions, and logic interlock protection devices.

Multi-functional analysis mode

For methods of flame absorption, flame emission, graphite furnace atomic absorption and hydride generation.



Biolab Scientific Ltd.

Trillium Executive Center, East Tower, 675 Cochrane Dr, Markham, Ontario L3R 0B8, Canada

Email: info@biolabscientific.com | Website: www.biolabscientific.com