



Atomic Absorption Spectrophotometer TRAS-701

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Description

Atomic Absorption Spectrophotometer TRAS-701 is completely controlled by a computer. It has a fully automatic control system with advanced temperature control technology of a graphite furnace. With a wavelength range of 190 to 900 nm. Providing a spectral bandwidth of 0.1, 0.2, 0.4, 1.0, and 2.0 nm. The setting of the background deduction method. The fast heating capacity can improve the elements' flexibility even more. . It presents the hollow cathode lamp in its operational state. It is a safe, dependable, and convenient flame system with a multi-functional software workstation.

Features:

The hollow cathode lamp's operational state

Wavelength searching and peak search are completely automatic

The integrated floated optical platform design improves the optical system's shock resistance and stability when using the optical signal for an extended period

Eight light stands can be changed automatically while simultaneously preheating and optimizing the eight lights

Adjustable position: It can automatically set the front and rear positions, as well as the best height for the flame burner

The setting of the background deduction method

Background self-absorption and the Deuterium lamp

Data processing, super-strong database with over 500 data self-storage and cut-off storage functions

can hold the analysis results in form of a Spreadsheet, and the test procedure and result can be called at random

The flame results demonstrated and the emissions technique are two methods for measuring

Result printing: parameter printing, data result printing, and diagram printing

It has fully automatic controlled, with the help of the software

The selection of lamp elements, Front-to-rear lifter adjustment (up/down)

Re-adjustment of optical energy, selecting the slit, Determination of wavelength scanning and peak searching, sixth, choosing an atomizer

Full safety chain protection, warning and automatic protection against incorrect burner, gas leakage, air under voltage, and abnormal flameout

Managing the flow of gas

Auto-flaming and extinguishing

Temperature control technology of graphite furnace advanced

Introducing PID technology can effectively overcome the influence on the temperature rising procedure

The combination of the 3ms/time fast sampling technique can result in more accurate and dependable testing data

The fast heating capacity can improve the elements' flexibility even more

Use a standard 220V power source instead of a 380V dynamic power source

The maximum procedure heating capacity setting of 20 levels can make testing multiple samples more efficient and comfortable

Three grades of adjustable gas flow can be tailored to meet a variety of application requirements

Can provide a timely warning when the gas and water are turned off and there is insufficient gas and water, thereby avoiding equipment damage and measurement error

Safe, reliable, and convenient flame system

EPC can more precisely control the flow of acetylene (C_2H_2) and is a type of system that is also simple to operate

A well-functioning Tomi Ziti on the system allows for greater sensitivity

The entire operating system is highly secure because the fire safety system scan alert for the fluctuation

It will also automatically turn off the gas and prohibit temper tantrums

Protects the operating personnel and equipment from harm and damage

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The extensive menu makes it easy for customers to use

Easy conversion between different menus simplifies the operation

A variety of analytical correction methods gives users more options

The basic default parameter settings allow even inexperienced users to perform routine operations

Flexible storage, editing, and printing methods provide the most support to the user

Specifications :

Accuracy of the wavelength	±0.15 nm
Atomizer	Effective glass atomizer
Baseline stability	±0.002A/30 min (Cu)
Characteristic viscosity	0.02 µg/ml/1% (Cu)
Checking limit	0.004 µg/ml (Cu)
D2 background correction ability	When the background is 1 A, the background ability should be deducted not less than 50 times, self-absorption background deduction method
Flame System	100 mm, ±0.006 A/30 min, ±0.025 µg/ml/1%, ±0.5%(Cu, absorbance>0.8A) (detection limit Cu±0.008 µg/ml), Can Automatically cut off the gas when The pressure is not enough, The power is off, flameout and unconformity of the burner.
Graphite furnace	3000 µ, ±2000 µ/S, Cd±0.5×10 to12 g Cu±0.5×10 to 11 g, Cu±3% Cd±3 %, 550 mm×450 mm×300 mm 65 Kg
Grating	1800 lines/ mm
Inflamer	All-metal titanium burner
Lamp stand	8
Power source	220V±22V AC
Power source and power	220 V±22 V AC 7000 W
Preciseness	0.005
Receptivity of the wavelength	±0.04 nm
Size	700 mm×550 mm×450 mm
Spectral bandwidth	0.1, 0.2, 0.4, 1.0 and 2.0 nm
Wavelength range	190 to 900 nm
weight	75 Kg



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