labodam

ATOMIC FLUORESCENCE SPECTROMETER

Atomic Fluorescence Spectrometer LAFS-A10

Atomic Fluorescence Spectrometer LAFS-A10 is a microprocessor controlled double-channel, non-dispersive unit used for trace element composition, ultra-trace analysis of Mercury and all other hydride-forming elements. Pre adjusted referral optical plane to coincide atomizer center with optical focus. Equipped with a feature of real time conversion of data into graph.

Features

» Double channel detection for trace element analysis

» Peak height and peak area integral detection method

» High stability light source

» High intensity hollow cathode lamps for high sensitivity and stability

» Gas - liquid separator for improved repeatability of results

» Double shielded quartz atomizer with automatic igniting argon – hydrogen flame

» Stable gas flow

» Automatic gas alarm pressure at critical point

» USB communication for real time automatic detection

Applications

Used in analysis/ detection of compound present in air of water, heavy metal detection, redirect photons , in various fields of geology, metallurgy, medicine, chemical industry, food inspection, water supply, waste water treatment and scientific research.

Specification

Model No.	LAFS-A10
Beam Configuration	Dual Channel
Elements (Measuring Range) As, Se, Pb, Bi, Sb, Te, Sn Hg Cd Zn Ge	< 0.01 μg/L < 0.001 μg/L < 1.0 μg/L < 0.1 μg/L
Precision (RSD)	< 1.0
Linear range	More than 3 orders of magnitude
Lamp	Hollow cathode lamp
Power Supply	220 V
Dimension	1000 x 350 x 390 mm
Weight	70 Kg

Auto Injector AU-A10

Auto injector AU-A10 is used with atomic fluorescence spectrometer for steady, quick and accurate auto injection. It has a configuration of around 120-position injectors with a volume of 10 ml.

Features

- ≫ Auto zero reset for the robotic arm
- ≫ 3D robotic arm with 3D locating deviations within a range of 0.1 mm
- ≫ Auto- identification of auto injector when software is turned on
- ≫ 120-injector disc with 10 ml of standard tube (array of 15 x 8)
- ≫ Zero reset cleaning position with minimum degree location of accumulation error
- ≫ Short auto-injector location time (X and Y axis move at the same time)
- ≫ No injection drip
- ≫ Stable, fast and accurate low noise operation
- ≫ UV on-line digestion device upgradation available