

SPECTRASCAN

MULTI CCD SPECTRO METER 2100

An Indian Instrument to compete in International Market



- There are many things, which cannot be achieved on single CCD with poor grating resolution. We are introducing India's ever first fully automatic autoprofiled regulated source Multi CCD Optical Emission Spectrometer.
- We had not adopted the old single CCD technology. We know well the limitations of single CCD. Poor resolution, more interferences, low signal to noise ratio, pixel shifting spectra, unstable results, frequent standardization, difficult global calibration, poor detection limits.
- Optics is the heart of any spectrometer. We had designed full flexible optics. Which can be configured to the specs. We can select grating, number of CCD's, wavelength range depending upon the customer specs. We can optimize each component of optics independently. Thus we get much better accuracy and precision than other spectrometers.
- Our unique Dynamic Spectrum Filter Software (DSF Soft) gives very clean final spectrum. DSF cleans spectrum while capturing itself. Thus process only the useful component of the spectrum.

SPECTRA
ANALYTICAL

SPECTRASCAN 2100

Multi CCD Spectrometer

TECHNICAL SPECIFICATIONS

OPTICAL SYSTEM

- Multi CCD Detector
- Dispersion by Superior Grating
- User Specific Wavelengths
- Normally 170 to 410 nm
- Unlimited element channels
- Selection by software
- Multi base single instrument
- Automatic profiling by software
- Temperature stabilized
- Completely Sealed optics

SPARK STAND

- Easily accessible sample stand
- Designed for easy cleaning
- Argon Flushed
- Tungsten electrode

SOFTWARE OPERATION

- User friendly menu driven software
- Factory calibrated
- User configurable alloy standardization
- Facility of delete bad RUNS
- Display of mean and SD/RSD
- Post report generating facility

ELECTRICAL REQUIREMENTS

- 170 to 270 VAC, 50 Hz
- In built voltage stabilizer

WEIGHT

- 35 Kgs. (Approx)

ENVIRONMENTAL

- Operating : 10 to 50 Deg. C
- Storage : 0 to 35 Deg. C

DIMENSION

- 27 x 24 x 8 inches

SOURCE

- Regulated excitation source
- Fully computer controlled
- Unipolar discharge
- Frequency : 5 Hz to 1000 Hz

CONTROL AND DATA PROCESSING

- Contains built in Pentium PC
- Windows 98 based Software
- Portable Pen Ram Drive
- Latest USB Port

Features of Spectrascan-2100

- Indian Make
- Precise & Accurate
- Improved detection limits
- Stable & Compact
- Rugged & Reliable
- Auto Profiled
- Regulated Spark source
- Better resolution with superior grating.
- Dynamic spectrum filter DSF Soft.
- Automatic data logging
- User-friendly DSF software
- Upgradable to 11 bases only by software
- Unlimited elements can be added only by software
- At affordable cost.

**A Superior instrument at
affordable cost.**

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