

24 Hour  
Helpline  
09890919191

# Ajay Syscon Private Limited

147/1&2, Shembekar Industrial Compound, Chinchwad  
Pune - 411 019, India

Domestic: 99704 99917/18/19/23/24 | Export: +91 9970499900/03

sales@ajaysyscon.com | export@ajaysyscon.com

www.ajaysyscon.com

Branches: • Ahmedabad • Agra • Bangalore • Belgaum • Chennai • Coimbatore • Delhi  
• Hyderabad • Jalandhar • Kolhapur • Kolkatta • Ludhiana • Nagpur • Rajkot • Vapi



## SpectraSys



Ajay Syscon is a leader in the design and manufacture of microprocessor-based instruments for carbon, silicon analysis, and temperature measurement, as well as sensors like metacups and thermocouple tips for molten metal, both ferrous and non-ferrous foundries, and steel plants.

The **SpectraSys** stationary metal analyzer is specifically designed to meet the performance requirements and budgets of small and medium-size foundries and metal processing plants, fabricators, quality control departments, warehouses, metal recyclers, and even inspection companies. This high-quality, compact, and affordable instrument is ideal for routine analysis of elemental content in iron, aluminum, and copper-based metals. SpectraSys analyzes all major alloying elements in all applications. The design and light weight of the SpectraSys enable it to be carried easily, even to a nearby site for analysis. Despite its low weight, it is suitable for applications in rugged environments.

### **BEST IN CLASS OPTICAL SYSTEM**

Optical System in SpectraSys optical emission Spectrometer CCD optics is a masterpiece of optics design and mechanical engineering. It has a 200-mm focal length, which is optimal to cover the wavelength range required without compromising the resolution of the spectrum. It uses Carl-Zeiss grating with 3600 gr/mm grating for maximum dispersion possible, which results in highly resolved element peaks. This automatically converts into very precise and accurate results. The Toshiba small-pixel advanced detector technology assures that it measures each element peak very accurately. The best combination of grating, CCD detectors, and focal length provides best-in-class analytical performance.

### **INNOVATIVE SPARK STAND**

SpectraSys comes with 3 side open spark stand which allows ease to analyse bulky or oversized samples. Spark stand is designed in a such a way that it requires very low maintenance. It's very easy to remove the cover and clean it. Sample clamp is pneumatically driven which holds sample tight and reduces argon leakage.

### **EASY TO USE SOFTWARE**

A brand-new interface presents a clear, user-friendly screen that runs icon-based operational routines. SpectraSys has easy to learn and easy to use software.

Software allows users customize the functionality they want. modules for control-standard or type-standardization, grade identification, and many more.

Security levels can be added where critical functions are password protected.

### **SUPPORT & SERVICE**

Ajay Syscon Pvt. Ltd. has a sales and service network all over India and serves 14 foundry clusters. We assure prompt service and online support.

### SPECTRASYS TECHNICAL DATA

Optical System	3 nos. of TOSHIBA CCD detector with smaller size pixel for better Resolution 3600 gr/mm Carl Zeiss grating 200 mm Argon purged optical system
Source Generator	Maintenance-free, voltage/current controlled generator Frequency 100 to 1000 Hz
Spark Stand	Uniquely designed for low maintenance Low Argon consumption during measurement and stand by
Operating Software	Windows® based software for simple routine operation Various user levels for secure and task-specific operations In Built Grade Library function
Analytical Capabilities	Different Base calibration packages available cover all major elements and grades of metal Can be upgrade bases in future
Electrical Data	100 to 240 V (50/60 Hz) 1 KW during measurement, 60 W during standby 16 A (240 V) or 25 A (100 V) slow blow fuse
Dimension and Weight	Width 458 mm (18 inch) Height 232 mm (9.1 inch) Depth 496 mm (19.5 inch) Weight ~ 25 kg (~ 55 lbs)
Environmental Range	Temperature 10 - 45 °C (50 - 113 °F) Humidity 10 - 90 %, no condensation
Options	Sample preparation Notebook or desktop PC

All our products are certified to meet ISO/QS standards

*Specifications may change without prior notice due to continuous development*

