

# Aluminum Alloy Analyzer

## General information about ADSP-8000A Aluminum Alloy Analyzer

ADSP-8000A optical emission spectrometer (OES) is a fast, simple and cost-effective analytical technique used for elemental analysis of solid aluminum samples. It is used in several fields ranging from production to recycling and from foundries to service laboratories. ADSP-8000A is a high-performance, portable OES spectrometer for analysis of aluminum.

### Features:

- ✓ Portable, cost-effective, stability.
- ✓ Optimized to customer requirements.
- ✓ Complete analysis within a few seconds.
- ✓ Extreme sensitivity due to latest CCD technology and software.
- ✓ Available for routine analysis of small sample, diameter from 1mm to 8mm
- ✓ Technology support and software update for free.

### Applications:

ADSP-8000A alloy analyzer is designed by Wuxi Create Analytical Instrument Co., LTD. By using the CCD technology, the ADSP-8000A is a preferred choice for the analysis of the elements concentration in metal. This instrument is widely used in the areas of metallurgy, foundry, machinery, automobile manufacturing, aerospace industry, weapon manufacture, metal processing and other fields.



## Technical specification of the device:

### Optical System:

- Optical Structure: Flat Field Optical
- Grating Focus: 350mm
- Wavelength Range: 200nm-500nm
- Detector: High resolution CCD Multi detectors
- Spectrum Width: 25.4mm
- Pixel Resolution: 30pm
- Full spectrum
- Light room temperature is controlled automatically

### Spark Source:

- Type: Digital arc and spark source/New plasma generator
- Spark Frequency: 100-1000HZ
- Plasma Current: 1-80A Ignition Voltage: >7000V

### Spark Stand:

- Argon flushed with minimal consumption of Argon
- Spray discharge electrode technology
- Adjustable sample clamp

### Others:

- Measurable Elements: Al base
- Dimension: 500mm(L)\*450mm(W)\*300mm(H)
- Weight: About 20kg
- Storage Temperature: 0°C-45°C
- Operating Temperature: 10°C-30°C, 23±2°C is recommended
- Power: AC220V/50Hz (can be customized if necessary)
- Power Consumption: 700W / Stand by: 100W
- Argon Quality: 99.999%, Argon pressure >4Mpa
- Argon Consumption: 5L/min during spark mode

