

ARTUS 8



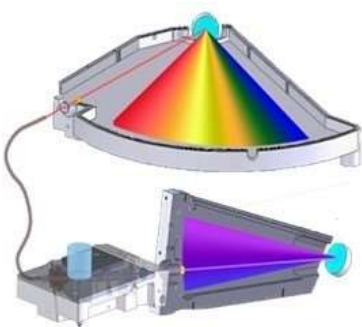
High Performing Metal Analyzer

INNOVATIVE SPECTROMETERS FOR ELEMENTAL ANALYSIS

TECHNOLOGY AT WORK FOR YOU BRINGING PERFORMANCE & RELIABILITY



INTERNAL GAS PATH PROTECTION



The plates' corrosion resistant surface and heat dissipation composition ensures 24 hours of un-interrupted and stable analysis.

The ARTUS 8 fulfils the requirement of providing fast, precise and accurate analyses for the perfect melt. It is one of the most powerful and reliable spectrometers offering a complete range of analytical programs including cast irons, steels with carbon and nitrogen, and all alloying elements and their traces needed for treatment.

It offers all the advantages of a flexible and versatile CCD spectrometer. It even challenges some applications with classical photomultiplier systems, which are still the benchmark in high-end OES.

Quality Control and Assurance are essential to making your business successful. The ARTUS 8 is the ideal companion for incoming material, in-process testing, independent laboratory testing and final quality inspection. It is widely used in the steel manufacturing, cookware, automotive, aluminum extrusion, cast iron and carbon steel industries.

Risks such as material mix-ups and machinery damage are reduced thanks to adapters which detect and analyze oddly shaped samples and small pieces and the optimizable grade library which visually displays non-compliance alloy specifications.

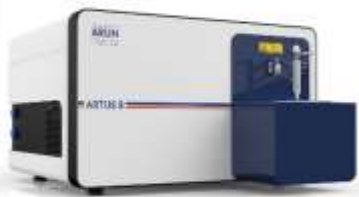
In the event of mis-operation, work can be stopped immediately to ensure the safety of personnel and the instrument.



The ARTUS 8 uses a gas path protection device. If the instrument is not used for a long period of time, the gas path/light chamber purification time will not exceed 8 minutes.



PERFORMANCE AT THE CLICK OF A BUTTON



- Compact benchtop model
- 3-side open spark stand with XY-sample clamp
- Controlled by PC or laptop
- Windows 10 Operating system (required)
- Ethernet connectivity
- High-resolution, full spectrum optical systems
- High-resolution CCDs
- No vacuum pump
- Holographic diffraction grating

It is not only the optical resolution that determines the analytical power of the instrument. ARUN's bespoke software package has a powerful spectrometric hub as well as all the needed added features that help in daily routine work and make the use of the instrument efficient and a pleasure to operate.

Features include:

- Foreign language menu capability
- Automatic diagnostics built in
- Factory calibrated programs traceable to CRMs
- Automatic average calculation
- Display of single or multiple analysis
- Display of mean, standard or relative standard deviation
- User configurable results screen
- Formula editor (Carbon Equivalent, Total Trace, etc...)
- Quality control and identification functions
- User defined export functions
- User configurable grade library
- Report generator, print or PDF output, selection by sample ID field
- User standardization for global or individual program
- SCal, use of single SUS sample for profiling and drift correction.
- User configurable type standardization

Optical System:	Paschen—Runge
Detector	CMOS
Wavelength Range:	120-680nm (Ultimate) 174-680nm (Standard) 212-680nm (Visible)
Power Supply:	Line input 90 or 260 volts AC 50-60 Hz
EMC:	IEC61000-4-2 IEC61000-4-4 IEC61000-4-5
Working Temperature:	10° to 35°C
Operating Humidity:	20-80%
Argon Purity:	99.998% or 99.999% purity
Argon Flow:	When burning—3L per minute Standby 0.1L per minute
Dimensions:	72.1 x 44 x 77 cm
Weight:	80kg
Maximum Excitation Power:	400VA
Optical Source Type:	50VA
Discharge Frequency:	400Hz maximum
Discharge Current:	150A maximum
Spark Stand Aperture:	12mm



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