

Delivers PRECISION and RESULTS



The ARTUS 8 is the ideal choice for obtaining precise and reliable elemental analysis of metals and alloys. It is the foremost preferred instrument of choice by aluminium and steel customers.

ARTUS 8 Visible	ARTUS 8 Standard	ARTUS 8 Ultimate
Suited for all non-ferrous applications where UV elements are not required. 200-600nm	Suited for ferrous applications with more important elements in the UV spectral range (C, P, S, As, Sn, B, etc...) 170-680nm	Capable of analysing even deep-UV elements like nitrogen. 120-680nm

Detector Technology	CMOS
Applications	Fe, Al, Cu Co, Mg, Ni, Pb, Sn, Ti, Zn
Measurement of Nitrogen	Yes (ARTUS 8 Ultimate model)
Measurement of Phosphorus	Yes (ARTUS 8 Ultimate and ARTUS 8 Standard models)
Measurement of Sodium and Lithium	Yes (All ARTUS 8 models)
Software	<ul style="list-style-type: none"> Intuitive software for simple routine operations Various user levels for secure and task-specific operations sCAL3.0* one sample standardisation Functions for qualitative and quantitative analysis <p><i>*Smart CAL3.0-function allowing to standardise the program using 1 SUS sample</i></p>
Number of Optical Systems	ARTUS 8 Ultimate—2 Optics ARTUS 8 Standard—2 Optics ARTUS 8 Visible—1 Optic
Number of CMOS Detectors	ARTUS 8 Ultimate—15 ARTUS 8 Standard—14 ARTUS 8 Visible—13
EMC	IEC61000-4-2, IEC61000-4-4, IEC61000-4-5
Working Temperature	10° to 35° C
Argon Purity	99.998% or 99.999% purity
Argon Flow	When burning—3L per minute, Standby 0.1L per minute
Dimensions	730 x 440 x 770mm
Weight	Approximately 80kg
Power Supply	Line input 90 or 260 Volts AC 50-60 Hz
Maximum Excitation Power	400VA
Optical System	Paschen—Runge
Optical Source Type	50VA
Discharge Frequency	400Hz maximum
Discharge Current	150A maximum
Spark Stand Aperture	12mm