

1_A 2_A 3_B 4_B 5_B 6_B 7_B 8 1_B 2_B 3_A 4_A 5_A 6_A 7_A 8_A

1
2
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5
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H		<p>TERMS AND DEFINITIONS</p> <p>ICP WORKING LIMITS The ICP Lower Working Limit shown is approximately 10x the Detection Limit. Multiplying the Lower Working Limit by 106 gives approximately the Upper Working Limit</p> <p>AA WORKING RANGES The lower limit of each AA Working Range is approximately 10x the Detection Limit. The upper limit of each AA Working Range gives approximately 0.8 absorbance.</p>										He			
<p>189.926 _____ ICP Primary Wavelength, nm</p> <p>90 _____ ICP Lower Working Limit, µg/L (ppb)</p>															
<p>235.5 _____ AA Wavelength, nm</p> <p>0.3–140 _____ Flame AA Working Range, mg/L (ppm)</p> <p>10–220 _____ Graphite Furnace AA Working Range, µg/L (ppb)</p>															
<p>Sn </p> <p>Nitrous Oxide/Acetylene Flame</p> <p>Air/Acetylene Flame</p>															
Li Be		B C		N O		F		Ne							
Na Mg		Al Si		P S		Cl		Ar							
K Ca Sc Ti V Cr Mn Fe Co Ni Cu Zn Ga Ge As Se Br		Krypton													
Rb Sr Y Zr Nb Mo Tc Ru Rh Pd Ag Cd In Sn Sb Te I Xe		Xenon													
Cs Ba La Hf Ta W Re Os Ir Pt Au Hg Tl Pb Bi Po At Rn		Radon													
Fr Ra Ac Rf Ha															



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418.660 80		417.939 10		401.225 40		359.262 100		381.967 9		342.247 50		350.917 60		353.170 20		345.600 20		337.276 7		346.220 20		328.937 3		261.542 3			
520.0 300–6000		495.1 60–4000		492.5 10–1000		429.7 10–1200		459.4 0.2–80 25–160		368.4 20–3000		432.7 5–1600 5–36		421.2 0.3–100 50–360		410.4 0.4–160		400.8 0.3–140 100–760		371.8 9–60		398.8 0.04–16		336.0 3–1400			
Ce		Pr		Nd		Pm		Sm		Eu		Gd		Tb		Dy		Ho		Er		Tm		Yb		Lu	
274.716 70				385.958 300																							
Th		Pa		U		Np		Pu		Am		Cm		Bk		Cf		Es		Fm		Md		No		Lr	



The Quantima is a compact bench top ICP-OES which delivers exceptional sensitivity and best resolution and very low argon gas consumption.

It is extremely robust which easily handles organic matrices, high salts, high solids and other difficult matrices.

The powerful software has many advanced features such as auto-optimisation which enables users to get accurate results fast.

The XplorAA, SensAA and SavantAA AAS range all come with 0.1 to 2.0 nm slit width settings in both normal height and reduced height, Hyperpulse background correction which is the fastest available and asymmetric modulation and USB communication to computer.

There is a choice of single beam or true double beam optics, with a choice of manual, auto or programmable gas boxes and a choice of two lamp through to eight lamp turret.

The SensAA comes with the unique Application Source, inbuilt computer and touchscreen while the top of the range SavantAA Σ comes with auto lamp peaking, automatic burner rotation, auto workhead adjuster, Super Lamp Power Supply, coded lamp recognition and electronic sample viewing.



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AAS HPLC ICP-OES ICP-TOFMS Rheometry UV-Vis XRD