



When you need a reliable, fast, easy to use RGA package, The RGA from ESS is "the only one"™

The RGA from ESS offers a powerful package supporting all common Microsoft Windows™ operating systems.

The unique ESS "DataSpeed"™ interface gives you ultra-fast scans in log or linear modes and blistering trend speeds with dwell times as low as 1ms per mass!

Intuitive, easy to use Windows GUI offers simple switching between acquisition modes with instantaneously updated live controls.

A range of I/O allows seamless integration with monitored processes for MBE, MOCVD, TPD and other time critical analyses.

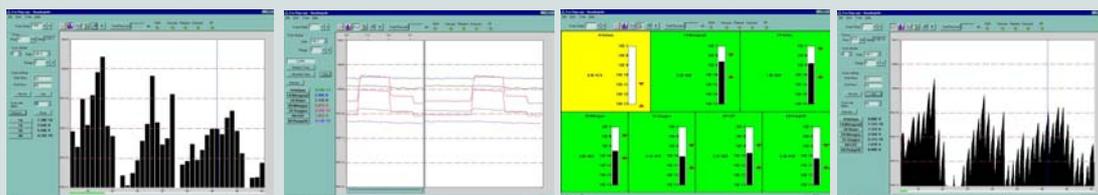
The RGA is available as a complete "bolt-on" package in 100, 200 or 300AMU variants, all with dual detector and as an upgrade for existing VG Quadrupoles© instruments.

The RGA scores over "smart-head" technology with the ability to withstand local radiation sources, options for extended and remote analyser and our unique "DataSpeed"™ fast parallel interface.

The RGA from ESS is the Residual Gas Analyser you always wanted.

"Smarter than your average smart-head"™

Next Generation RGA from ess ltd



Smarter than your average "Smart-Head"™

Remember when everyone was racing to produce "Smart Head" technology, the future way forward for RGA's? A great solution right up until you put one near heat, radiation or EMI sources !

The RGA from European Spectrometry Systems was developed a little further along the learning curve, we took the time to listen to our huge installed user base and the Smart Head feedback wasn't good. Smart Heads were causing people problems, particularly in Radiation, EMI and temperature sensitive locations. ESS designers took a long look at this problem and decided we would go the "Smarter" way.

The result is our new RGA, we call it the RGA because that's just what it is. A powerful, easy to use, windows based Residual Gas Analyser that won't let you down when the heat (or radiation or emi) is on ! Incredibly fast parallel port operation combined with "bomb-proof" modular electronic design has resulted in a reliable, stable and above all incredibly fast RGA system.

The RGA can be purchased as a complete instrument for bolt-on applications with Windows™ compatible software which is intuitive and easy to use, yet powerful enough to exceed any RGA application requirement. Alternatively the RGA is available as a software only upgrade or a software and electronics combo upgrade for many existing VG RGA's.

Users with existing VG SX series, SXP series, Micromass PC, Sensorlab or Monitorr instruments can upgrade simply and cheaply to state-of-the-art Windows GUI's and experience the speed and simplicity of the RGA software.

Specification at a glance

Feature	Specification	Detail
Mounting Flange	CF-70	Copper UHV Seal
Interface	DataSpeed FPI	ESS Fast Parallel
O/S	Win 98 through XP	Excluding NT
Connection	Parallel Port	25 pin d type
MDPP	5 E -14mBA	SEM
Resolution	10% Valley	Entire mass range
Ionisation	Electron Impact	Cross Beam Options
Filament	Twin Filament	Th or W
Detector	Dual	SEM / Faraday
Scan Speed	200AMU/SEC	Lin Analogue or Log Hist
Min. dwell Mass	1ms / mass	For fast I v T Trends
Max. Bake Temp	300Deg C	UHV
Source Options	Stainless / Platinum	General & UHV
Digital Outputs	7 configurable	TTL
Analogue Outputs	3 configurable	8 bit
Analogue Inputs	3 Differential	12 bit
Power Requirement	90-240VAC	100W
Weight	4.3KG	All Components