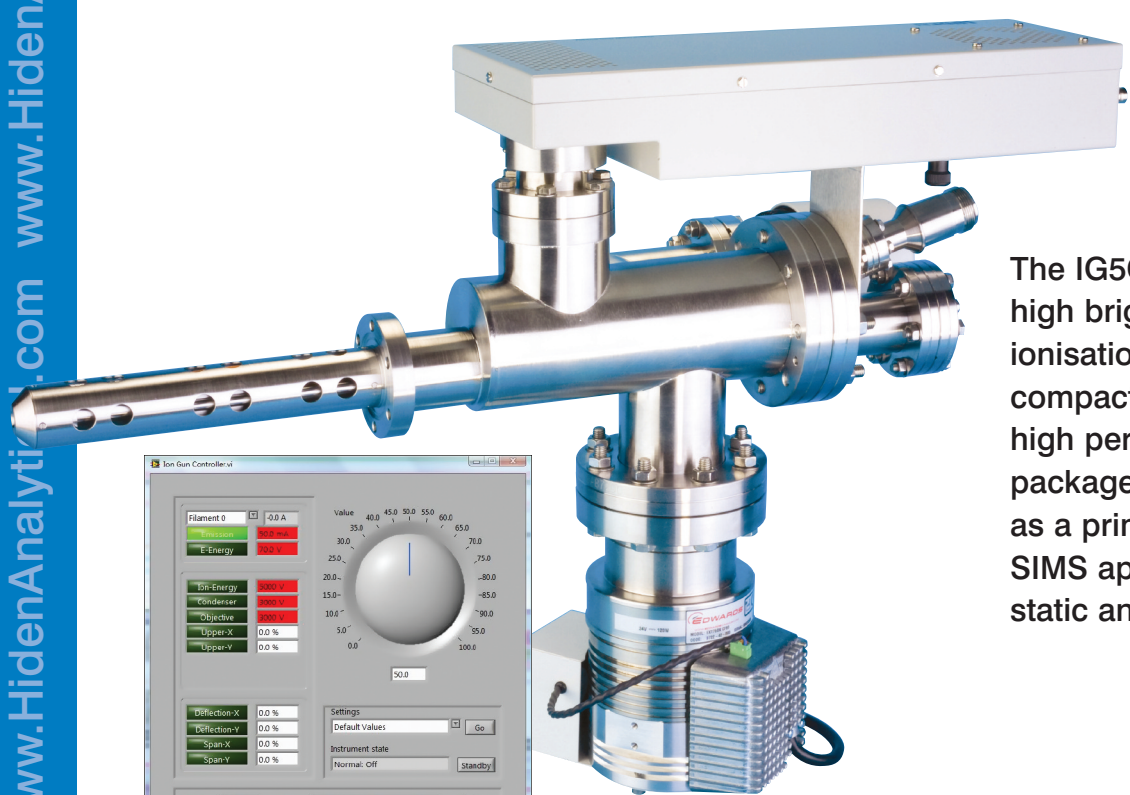
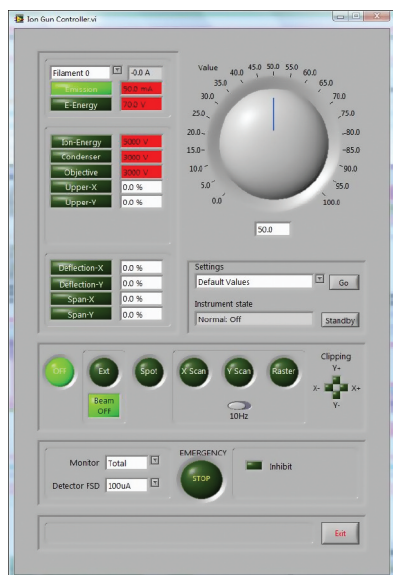


IG5C Caesium Ion Gun



The IG5C features a low power, high brightness, surface ionisation source coupled to a compact ion column, providing high performance in a small package. The gun is designed as a primary ion beam for all SIMS applications, dynamic, static and imaging.



Controlled via a windows PC based interface, which handles thermal management of the source, the gun is easy and reproducible to set up and can be configured for high current or small spot applications.

Features:

- Air stable ion source
- Small mounting flange for flexible installation
- Easy installation of self aligning replacement sources
- Long source lifetime
- Differential pumping to maintain true UHV chamber pressure
- Two lens column design
- Easy replacement of beam defining aperture

Specification:

- Energy:** 500eV to 5 keV
- Maximum Current:** 500 nA
- Minimum spot size:** 20 μ m
- Source lifetime:** typically 500 hours
- Mounting Flange:** Conflat type DN-35-CF
- Source power:** 8W

Manufactured in England by:



HIDEN ANALYTICAL LTD. 420 EUROPA BOULEVARD, WARRINGTON, WA5 7UN, ENGLAND
Tel: +44 (0)1925 445225 Fax: +44 (0)1925 416518 Email: info@hiden.co.uk

It is Hiden Analytical's policy to continually improve product performance and therefore specifications are subject to change.
TECHNICAL DATA SHEET 167

