

siGNUM™ software



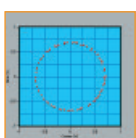
Optimised installation and set-up

Advanced signal monitoring ensures optimum performance



Quick system calibration

Easy incremental and reference mark adjustment



'Real-time' diagnostics

Closed-loop monitoring via USB port



Renishaw's groundbreaking **SiGNUM**™ encoder range offers a level of performance more commonly associated with finer pitch encoder systems, yet it is extremely rugged and easy to use. The **SiGNUM**™ software is PC based and provides comprehensive calibration, set-up optimisation and real-time diagnostics to simplify installation and system maintenance. The Si interface is connected to the PC via a mini USB connector.

Key features and benefits of SiGNUM™ software:

- **Real time signal monitoring** – allows the signal level and system performance to be monitored in several different ways, including signal strength meter, lissajous plot and IRED feedback meter (AGC drive), to assist system optimisation.
- **Pitch adjustment** – this innovative indicator enables fine adjustment of the readhead pitch - particularly useful for readhead set-up on small diameter rings.
- **System calibration** – allows quick and simple remote calibration of the reference mark and incremental signals with the press of a button. The calibration data is then saved to disk for fault-finding and to provide system performance history.
- **Remote system monitoring** – allows you to monitor the signal strength and performance of your system remotely during real-time closed-loop operation.
- **Advanced error logging** – logs any alarms or warnings that have occurred since switch-on or last reset. The warning function alerts the user to conditions that are less than optimum, whilst the alarm indicates when an error has occurred.
- **Technical 'info' guide** – provides basic contextual help and a comprehensive technical guide. The 'Info' guide provides a more detailed explanation of system functions and fault-finding.
- **System configuration** – allows you to view the configuration of the Si interface detailing resolution, clock frequency, error & warning outputs and options.
- **Multilingual user interface** - allows you to select from English, German, Italian and Japanese.

Minimum PC requirements:

- Microsoft® Windows® 98 (2nd Edition), Millennium Edition (Me), 2000 or XP
NOTE: software is not compatible with Windows NT or 95
- Pentium® II processor
- 128 MB RAM
- USB 1.1
- .NET Framework 1.1 (this can be obtained free from the Microsoft® website)
- Microsoft® Internet Explorer 5.01 or later (this can be obtained free from the Microsoft® website)
- Screen resolution: 800 x 600, colour quality: 16-bit or more

For worldwide contact details, please visit our main website at www.renishaw.com/contact

