

# **SIGNUM**<sup>™</sup> software





### **Quick system calibration**

Easy incremental and reference mark adjustment

# 'Real-time' diagnostics

Closed-loop monitoring via USB port





Renishaw's groundbreaking **SiGNUM**<sup>°</sup> 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**<sup>°</sup> 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**<sup>®</sup> 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 (2<sup>nd</sup> 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<sup>®</sup> Internet Explorer 5.01 or later (this can be obtained free from the Microsoft<sup>®</sup> 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

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