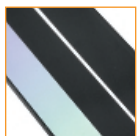


RGS40-G glass encoder system



Open, optical system



Excellent dirt immunity



Defined thermal behaviour

The RGS40-G is a 40 µm chrome on glass scale designed to be read by the filtering RGH40 series linear encoder, a recent addition to the RG4 product family.

Being so versatile, the RGS40-G boasts an impressive list of application areas...precision motion stages, linear motors, scientific instruments, optical inspection, XY stages, medical equipment and many more. The system offers :-

- high-speed, non-contact, optical performance
- specified graduation accuracy which eliminates the need for linear compensation e.g.
170 mm ±1.27 µm
500 mm ±2.75 µm
- each length of RGS40-G is individually calibrated and supplied with a calibration certificate
- defined thermal behaviour
- resistant to dust, scratches and light oils found in most everyday applications
- available in eight measuring lengths...120, 170, 220, 270, 300, 500, 750 and 1000 mm
- mounted directly to the substrate using either mechanical clips or specially formulated adhesive
- integral LED ensures easy and reliable set-up
- a range of industry standard quadrature outputs from 1 Vpp analogue or RS422 digital
- reference marks can be epoxy mounted directly to the scale at any point to suit the installation
- dual limit switches are mounted off the scale at customer selected locations
- resolutions available from 10 µm to 0.1 µm



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