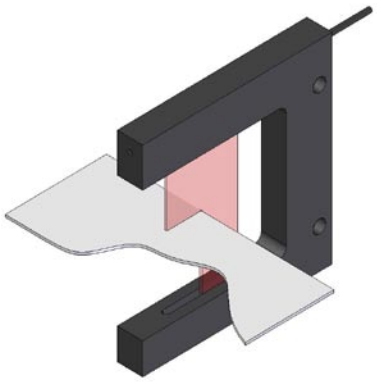
GLS40BS

- **Generates a 30mm wide light band of uniform intensity**
- **Together with a STM MICROmote® amplifier sensor is applicable for web edge control as well as for detection of fast objects**
  (see application advice on next page)
- **Especially compact design**
- **High edge resolution**
- **Very good linearity over the complete fork width**
- **Accurate alternative to laser systems**

SPECIAL FORK SENSOR
for web steering

TECHNICAL DATA

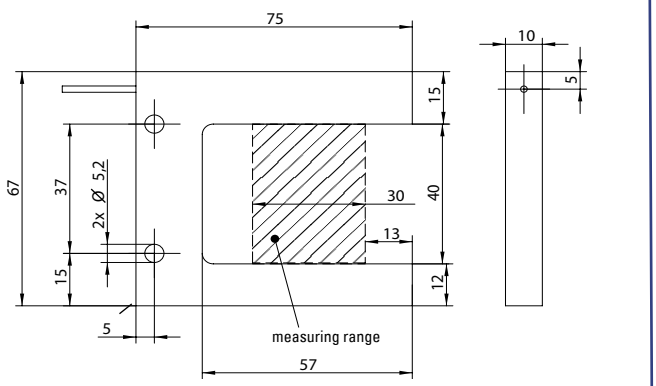
MODEL	GLS40BS
Fork width (mm)	40mm
Edge resolution	0,1mm
Reproducibility	0,05mm
Smallest object	0,5mm
Measuring range	30mm
Linearity	range 0mm - 30mm: 4% range 3mm - 27mm: 2% range 6mm - 24mm: 1%
Light type	red 645nm
Housing material	aluminium, black anodized
Operating temperature	-10°C.. +55°C
Protection class	IP65
Supply connection	1m PUR cable with connector M8



GLS40BS

DIMENSIONS Measurements in mm. Subject to technical change.

GLS40BS

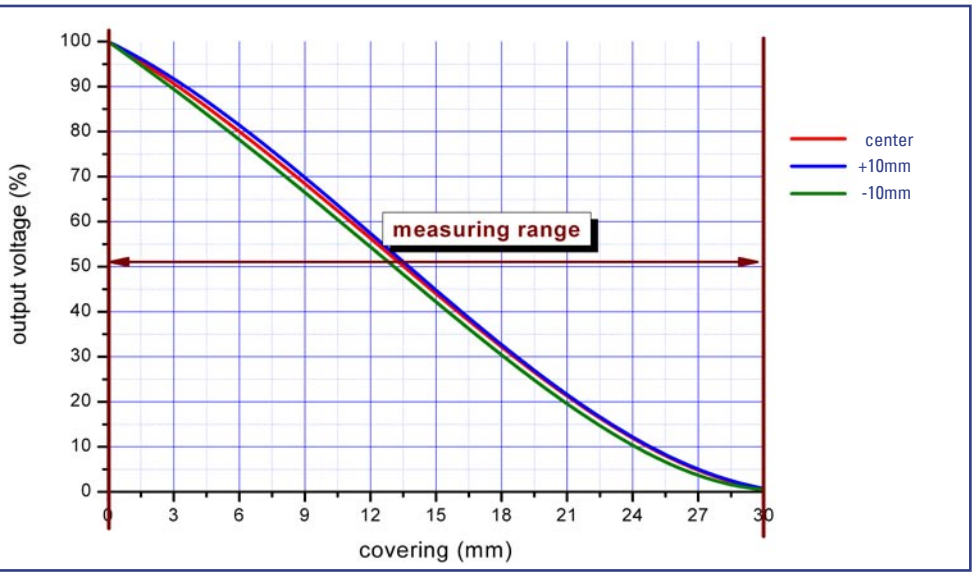


APPLICATION ADVICE.

Combined with a STM analog amplifier the sensor provides a linear output signal analogue to the coverage of the measuring range. (e.g.: V10-C or V10-D with a voltage or current output). The sensor is this way ideally applicable for accurate web steering applications. .

In combation with a dynamic amplifier (e.g. V10-H) it is able to capture fast process changes (e.g. idenfication and counting of falling objects; detection of diameter variations in rods or wires) throughout the measuring field.

SIGNAL OUTPUT



The signal waveform depicted is generated in conjunction with a STM analog amplifier (e.g. V10-C, V10-D with 0-10V or 4-20mA). For further information please refer to amplifier datasheets.

ORDER EXAMPLE

GLS40BS-P-0:1m = light-band fork sensor - fork width 40mm - 30mm range - PUR cable - connector M8, 3pin : 1m cable length

Other cable lengths available on request! Please order the selected amplifier separately!