



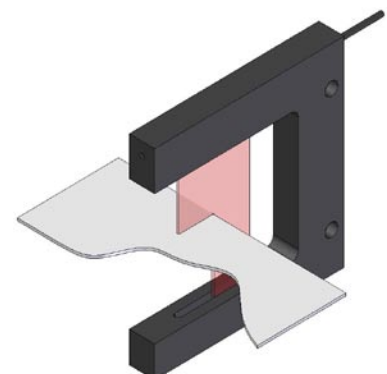
- ▶ Generates a 30mm wide light band of uniform intensity
- ▶ Together with a STM MICROmote® amplifier sensor is applicable for web edge control as well as for detection of fast objects (please see application advice on next page)
- ▶ Especially compact design
- ▶ High edge resolution
- ▶ Very good linearity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



SPECIAL FORK SENSOR
for web steering

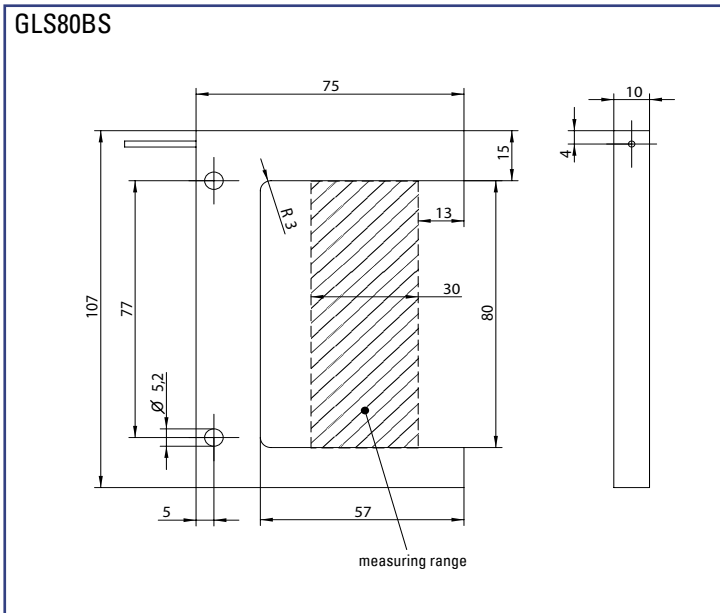
▶ TECHNICAL DATA

MODEL	GLS80BS
Fork width (mm)	80mm
Resolution	0,15mm
Reproducibility	0,05mm
Smallest object	0,5mm
Measuring range	30mm
Linearity	range 0mm - 30mm: 6% range 3mm - 27mm: 4% range 6mm - 24mm: 1,5%
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





► **DIMENSIONS** Measurements in mm. Subject to technical change.

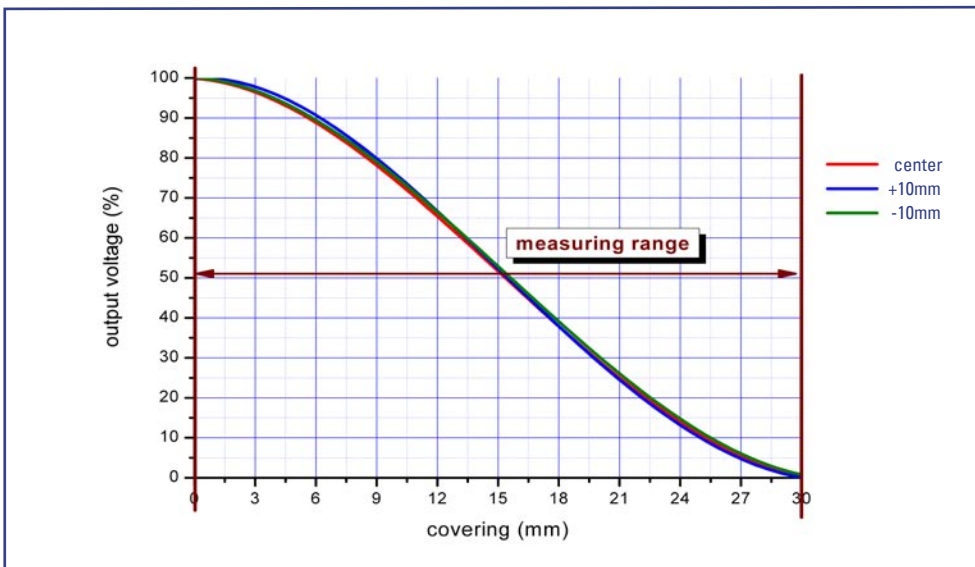


► **APPLICATION ADVICE**

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 combination with a dynamic amplifier (e.g. V10-H) it is able to capture fast process changes (e.g. identification 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)

ORDER EXAMPLE

GLS80BS-P-0:1m = light-band fork sensor - fork width 80mm - 30mm range - PUR cable - connector M8, 3pin : 1m cable length

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