



*A sensation is here! With the GY-mini, a new standard is set for magnetostrictive sensor dimensions, probably made by no one before! It offer the same dimensions as many other of Regal sensors, RCL40, PS6300 and PS6500. It is truly an advantage for designers when previous designs can be used. The GY-series from Regal Components offer sensors that meet the highest demands on the market from one of the leading suppliers in Japan. Decades of experience ensures you highest quality. The magnetostrictive principle, non-contact, offers very high performance and linearity combined with extreme long lifetime.*

*Regal Components offers you the best available support and knowledge in position sensing, with more than 20 years of experience. Regal Components, your choice in position sensing.*



The small electronic box is simply mounted on a DIN-rail. Pre-calibrated to your stroke.

4 generation sensors with extreme small dimensions



**Electrical specifications**

Supply voltage.....	24 VDC ±2
Output signal.....	<b>Voltage</b> ..... 0-10 V / 10-0 V
	<b>Current</b> ..... 4-20 mA / 20-4mA
Linearity.....	<0,02% FS
Resolution.....	<0,01% FS
Hysteresis.....	<15 µm
Temperature drift.....	<b>Probe</b> ..... ±40 ppm FS/°C
	<b>Controller</b> ..... ±50 ppm FS/°C
Frequency response.....	1 kHz / 1 ms (std)

**Mechanical specifications**

Stroke length.....	50-1000 mm
Operating temperature.....	<b>Probe</b> ..... -40°C - +80°C
	<b>Controller</b> ..... 0°C - +60°C
Storage temperature.....	-40°C - +80°C
Material.....	Sensor probe: SS304
Vibration.....	20 G
Shock.....	20G (2 ms)
Working pressure.....	max 350 bar (5000 psi)
Cable.....	5 m (std, 20 m max)

**Order information**

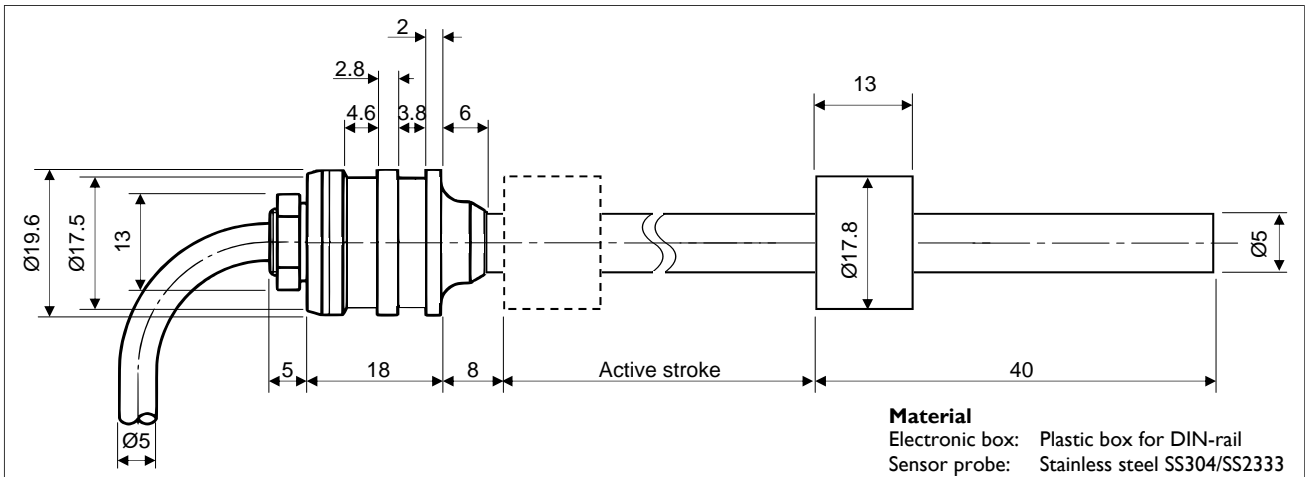
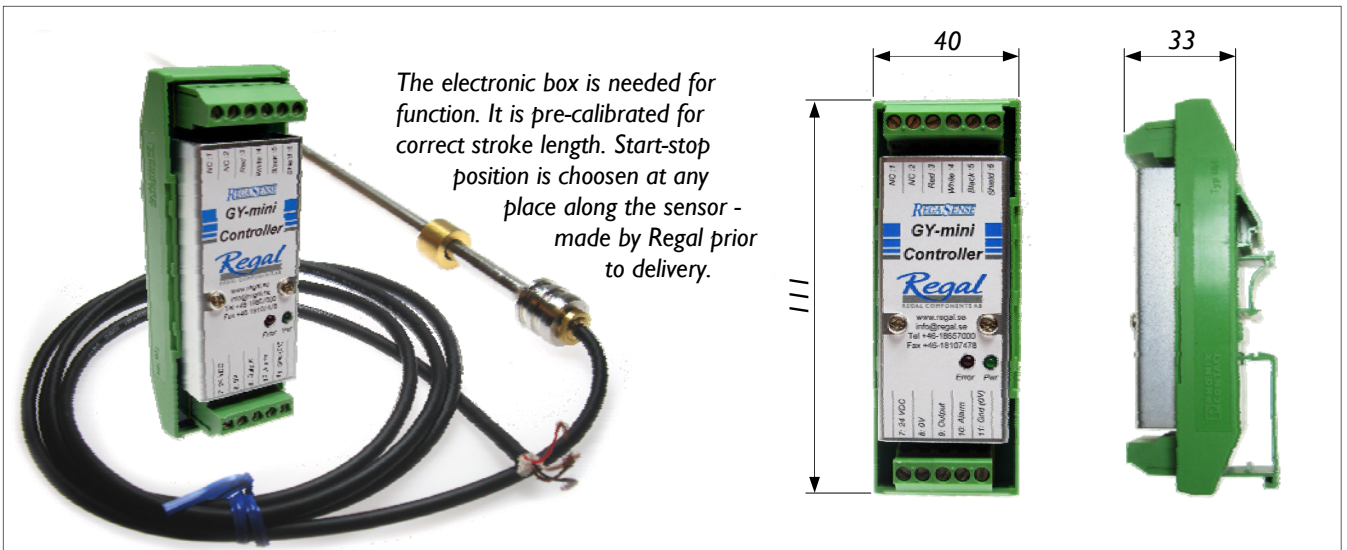
<b>Sensor probe</b>	GYPMR - □□□□ - G □ - □□ - □□
1=	Stroke length (max 1000 mm)
2=	Cable length (m)
3=	Head dead-zone (if more than 8 mm)
4=	Tip dead-zone (if more than 40 mm)

<b>Elektronik</b>	GYLC - □ - □		
5=	Output	A: 0-10 V	B: 4-20 mA
6=	Direction of output, when moved to rod tip	D: Increase	R: Decrease



Specifications subject to change without notice.





**Suggestion of incorporation**



**Connections**

1. No connection
2. No connection
3. Red from sensor
4. White from sensor
5. Black from sensor
6. Screen from sensor
7. 24 VDC supply voltage
8. 0 V
9. Output (voltage/current)
10. Alarm
11. Ground (0V)