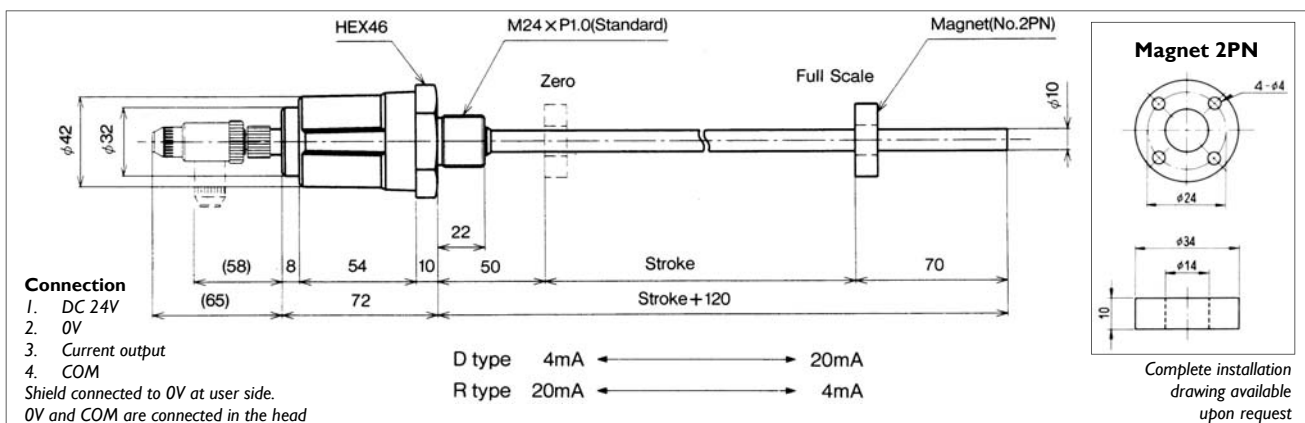




The GY-series from Regal Components offer sensors that meet the highest demands on the market from one of the leading suppliers in Japan. Decades of experience ensures you highest quality. The GY-series are designed for mount in hydraulic and pneumatic cylinders but can also be used in other applications such as liquid level detection. The magnetostrictive principle, non-contact, offers very high performance and linearity combined with extreme long lifetime.

The GYLT sensor is easy to mount and install in cylinders. It offer you strokes up to 3000 mm and current output, 4-20 mA. Other models offer up to 7500 mm and other outputs (analogue or digital).

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.



### Electrical specifications

|                    |                      |
|--------------------|----------------------|
| Supply voltage     | 24 VDC ±2V 0,05A     |
| Linearity          | ±0,025% FS           |
| Resolution         | <0,01% FS            |
| Repeatability      | < ±0,01% FS          |
| Temperature drift  | <40 ppm FS/°C        |
| Frequency response | 1 kHz / 1 ms (std)   |
| Output signal      | 4-20 mA (load <500Ω) |

### Mechanical specifications

|                       |                        |
|-----------------------|------------------------|
| Stroke length         | 10-3000 mm             |
| Temperature operating | -20°C - +80°C          |
| Temperature storage   | -40°C - +80°C          |
| Material probe head   | Aluminium              |
| Material probe rod    | Stainless steel SS304  |
| Vibration             | 6G (or 40 Hz 2 mmp-p)  |
| Shock                 | 50G (2 ms)             |
| Protection class      | IP 67 (10 kPa, 30 min) |
| Working pressure      | max 350 bar (5000 psi) |

### Order information GYLT/GYLS

|                                 |                  |             |
|---------------------------------|------------------|-------------|
| 1= Output                       | T: Current       | S: Voltage  |
| 2= Stroke length (mm), max 3000 | A: 0-10 V        | B: 4-20mA   |
| 3= Output                       | C: 0-5 V         |             |
| 4= Direction of output          | D: Forward       | R: Reversed |
| 5= Thread                       | M: M24x1.0       | N: M18x1.5  |
|                                 | U: 3/4-16UN      |             |
| 6= Probe diameter               | 10: Ø10 mm (std) | 8: Ø8 mm    |
|                                 | 14: Ø13.8 mm     |             |
| 7= Connector                    | S: Straight      | L: 90 deg   |



Specifications subject to change without notice.

