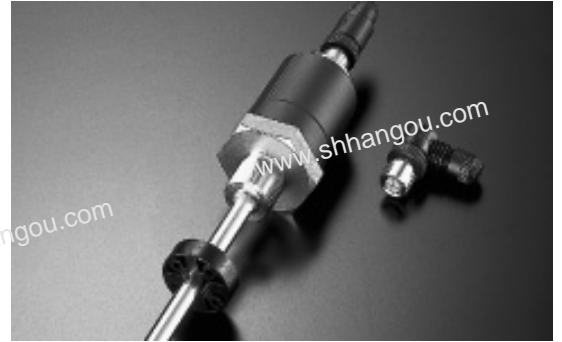


# GYLS GYLT Probe

Low cost • All-in-one  
Probe • built-in controller

- Low cost, all-in-one, direct analogue output (4~20mA or 0~10V).
- Absolute, non-contacting transducer
- Improved non-linearity, improved S/N ratio, reduced power consumption.
- Easy to connect. (screw type)
- Wide temperature operating range.
- Shock and vibration resistant.



## Specifications

Accuracy	Non-linearity	< $\pm 0.025\%$ FS TYP
	Resolution	< 0.01%FS
	Repeatability	< $\pm 0.01\%$ FS
	Temp drift	< 40ppm FS/°C
Output	Voltage output	Model: GYLS 0~10V or 10~0V (output current: Max.5mA, load: Min.2k $\Omega$ )
	Current output	Model: GYLT 4~20mA or 20~4mA (load: Min.500 $\Omega$ )
Power Supply		+24 ( $\pm 2$ )VDC (50mA)
Frequency response		Std 1kHz (depending on stroke) sampling
Environment	Admissible press.	35MPa (probe rod)
	Operating Temp	-20°C ~ +80°C
	Storage Temp	-40°C ~ +80°C
	Vibration	6G (or 40Hz 2mmPP)
	Shock	50G (2msec)
Protection		IP67 (10kPa, 30min)

• The above mentioned accuracy applies to sensors with an effective stroke of 300mm or more.

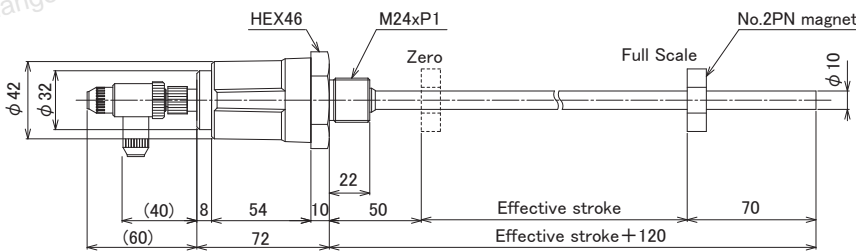
## Model No.

GYLS -01-□□□□-A □-□□□-□  
GYLT -01-□□□□-B □-□□□-□  
① ② ③ ④ ⑤

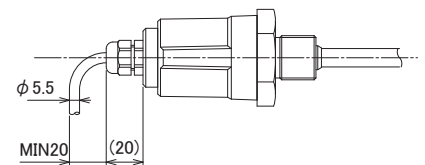
- ① Effective stroke  
15mm~3500mm
  - ② Direction of output  
(toward probe tip)  
D: output data increase  
R: output data decrease
  - ③ Thread  
M: M24xP1.0 (Standard)  
N: M18xP1.5  
U: 3/4-16UNF
  - ④ Sensor rod diameter  
blank:  $\phi 10$  (Standard)  
8:  $\phi 8$   
14:  $\phi 13.8$
  - ⑤ Cable connection  
CN: Connector (Standard)  
G※: Pigtail type  
(※: Cable length [m],  
Standard: 1.5m)
- Connector: straight or angle type  
• Connector: only counter connector is supplied. In case cable needed, specify cable length.

## Dimensions

### Connector type (Standard)



### Pigtail type (Option)



- Material probe head: Al diecast, probe rod: SS304
- Standard magnet: No.2PN. Other magnets are available from Magnet Grouping「GG」(P.33).
- The tip dead zone length (70mm) depends on the magnet or float type.
- The length of the cable should be less than 10m in case of using the voltage output type and 100m in case of using the current output type.
- Connector: Omron XS2C-D4S1 (straight type) or D4S2(L type) (Material: PBT plastic)
- Applied cable diameter:  $\phi 5 \sim \phi 6$
- Wire size: 0.18~0.75mm<sup>2</sup>

### Connection

- 1 DC24V
- 2 0V
- 3 Output (Current or Voltage)
- 4 COM

※Shield should be connected with 0V at user side.  
※0V and COM are connected in the head.