

Thanks to the Surface Mount Technology, the entire signal processing electronics of GYcAT series is integrated into a transducer head.

You can get a voltage or current analog signal proportional to a magnet position only by applying a 24V dc power supply directly to the transducer.

GYcAT series have alarm output and head is equipped with noise cancellation functions.



## Specifications

Accuracy	Non-linearity	< ±0.05%FS TYP
	Resolution	< 0.01%FS
	Repeatability	< ±0.01%FS
	Temp drift	40ppm FS/°C
Output	Voltage output	0~10V or 10~0V (output current: Max.5mA, load: Min.2kΩ)
	Current output	4~20mA or 20~4mA (load: Min.500Ω)
	Alarm output	Open collector 30V 0.1A
	Power supply	+24 (±2)VDC (100mA)
Frequency response		Std 1kHz (depending on stroke) sampling
Environment	Admissible press.	35MPa (probe rod)
	Operating Temp	-20°C~+65°C
	Storage Temp	-40°C~+80°C
	Vibration	6G (or 40Hz 2mmPP)
	Shock	50G (2msec)
Protection		IP65

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

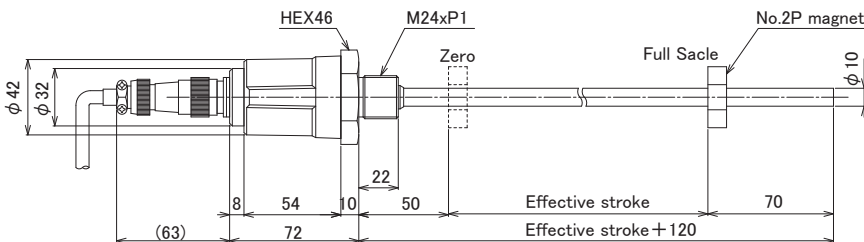
## Model No.

GYcAT-□□□□-□□-□□-□  
 ① ② ③ ④ ⑤ ⑥

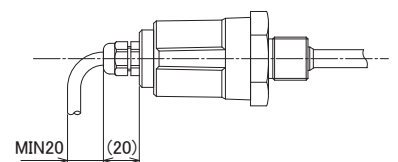
- ① Effective Stroke  
15mm~2500mm
  - ② Output  
A: 0~10V  
B: 4~20mA  
C: others (bipolar etc)
  - ③ Direction of output  
(toward probe tip)  
D: output data increase  
R: output data decrease
  - ④ Thread  
M: M24xP1.0 (Standard)  
N: M18xP1.5  
U: 3/4-16UNF
  - ⑤ Sensor rod diameter  
blank: φ10 (Standard)  
8: φ8  
14: φ13.8
  - ⑥ Cable connection  
CN: Connector (Standard)  
G: Pigtail type  
(※: Cable length [m],  
Standard: 1.5m)
- \*Connector: straight 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.2P. Other magnets are available from Magnet Grouping「B」(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: Sanwa SNW-1607-PCF (Material: zinc alloy fluoroplastic)
- Applied cable diameter: φ6.6~φ7.5
- Wire size: Less than 0.5mm<sup>2</sup>

### Connection

- 1 DC24V
- 2 NC
- 3 0V
- 4 SIG COM
- 5 Voltage output
- 6 (Current output)
- 7 Alarm output

※Shield should be connected with 0V at user side.