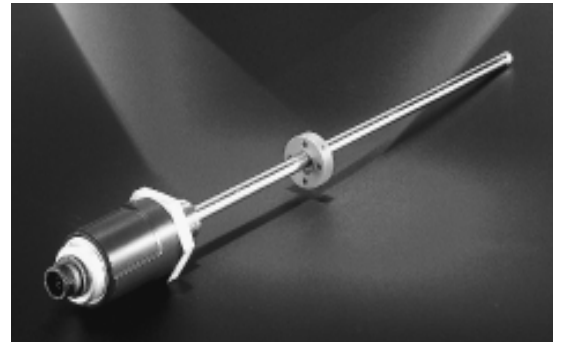


Thanks to the Surface Mount Technology, the entire signal processing electronics of GYcAT series is integrated into a transducer head.

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.

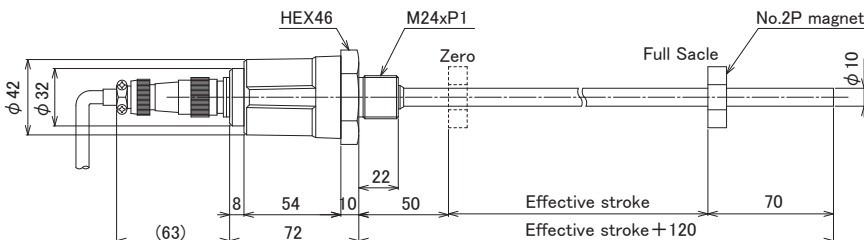
Model No.

GYcAT-□□□□-□□-□□-□
 ① ② ③ ④ ⑤ ⑥

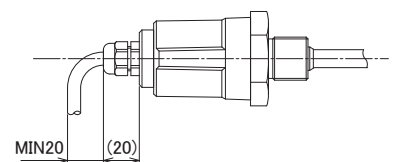
- ① Effective Stroke
15mm~2500mm
 - ② Output
A: 0~10V
B: 4~20mA
C: others (bipolar etc)
 - ③ Direction of output
(toward probe tip)
D: output data increase
R: output data decrease
 - ④ Thread
M: M24xP1.0 (Standard)
N: M18xP1.5
U: 3/4-16UNF
 - ⑤ Sensor rod diameter
blank: φ10 (Standard)
8: φ8
14: φ13.8
 - 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 0.5mm²

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.