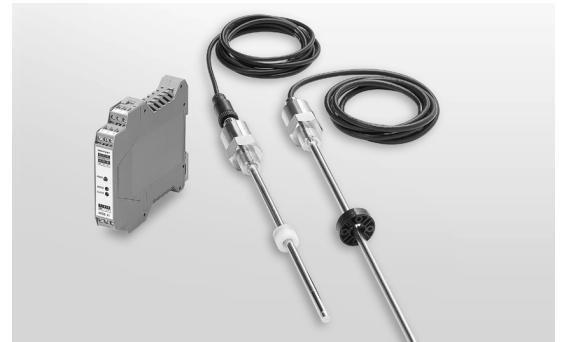


GYMS Probe GYMSC Controller

Compact, Low Cost type

GYMS probe/GYMSC controller is a compact, low-cost type series adopting newly developed signal detecting method. GYMS probe has interchangeability in mechanical dimension with GYMT series, also protection graded up to IP67. Optional connector cable out variety presents more flexible handling of probe. GYMS probe in combination with GYMSC controller outputs 0~10V or 4~20mA analogue signals. GYMS probe can be used also in combination with GYHC or GYDC-05 controller, which provides velocity output or digital output. (refer P.19, P.21)



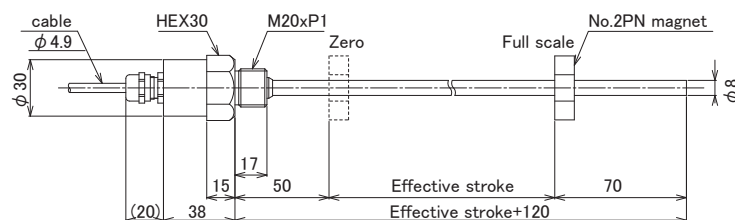
Specifications

Accuracy	Non-linearity	< $\pm 0.025\%$ FS TYP
	Resolution	< 0.01%FS
	Repeatability	< $\pm 0.01\%$ FS
	Temp drift	± 40 ppmFS/ $^{\circ}$ C (probe) ± 50 ppmFS/ $^{\circ}$ C (controller)
Output	Voltage output	0~10V or 10~0V (output current: Max.5mA, load: Min.2k Ω)
	Current output	4~20mA or 20~4mA (load: Min.500 Ω)
Power supply		+24 (± 2)VDC (100mA)
Frequency pressure		Std 1kHz (depending on stroke) sampling
Environment	Admissible press.	35MPa (probe rod)
	Operating Temp	-20 $^{\circ}$ C~+80 $^{\circ}$ C (probe) 0 $^{\circ}$ C~+60 $^{\circ}$ C (controller)
	Storage Temp	-40 $^{\circ}$ C~+80 $^{\circ}$ C
	Vibration	6G (or 40Hz 2mmPP)
	Shock	50G (2msec)
	Protection	IP67 (probe)
Cable length		1.5m (Standard) (Option Max.100m)

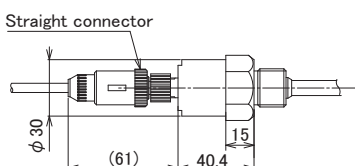
- The above mentioned accuracy applies to sensors with an effective stroke of 300mm or more.
- Optionally, user can select +12VDC power supply. (Stroke Max. 200mm. Output is ± 5 V or 0~5V.)
- Zero/Gain adjustments by trimmer of controller is possible, std within $\pm 3\%$ FS.

Dimensions

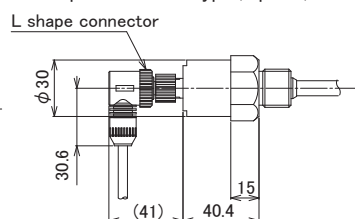
■ Pigtail type (Standard)



■ Straight connector type (Option)



■ L shape connector type (Option)



Model No.

■ Probe

GYMS-□□□□-□-□
① ② ③

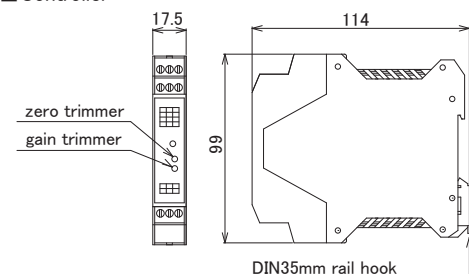
- ① Effective stroke
15mm~3000mm
- ② Thread
J8: M20xP1.0, rod $\phi 8$ (Standard)
L8: M16xP2.0, rod $\phi 8$
N: M18xP1.5, rod $\phi 10$
U: 3/4-16UNF, rod $\phi 10$
K6: M16xP1.5, rod $\phi 6$
- ③ Cable connection
G※: Pigtail type (Standard)
(※: Cable length [m])
CN: Connector type (Option)

■ Controller

GYMSC-01-□-□□□□-□
① ② ③

- ① Output
A: 0~10V
B: 4~20mA
C: others (bipolar etc)
- ② Effective stroke
15mm~3000mm
- ③ Direction of output (toward probe tip)
D: output increase
R: output decrease

■ Controller



- Material probe head: SS304, 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.
- Connector: Omron XS2C-D4S1 (straight type) or D4S2 (L type) (Material: PBT plastic)