GYPE2K Probe GYMSC Controller

Fine rod Small head type

The GYPE2K probe is a sensor characterized in a fine rod and a small head. A fine rod (outside diameter ϕ 4) and a small head expand the design flexibility of the equipment. Standard magnet and float can be used

With the GYMSC controller, it outputs analogue signal of 0-10V or 4-20mA.



Specifications

Accuracy	Non-linearity	< ±0.5%FS TYP
	Resolution	< 0.03%FS
	Repeatability	< ±0.03%FS
	Temp drift	< ±0.01%FS/°C(probe)
		< ±0.01%FS/°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 response		approx 1kHz sampling (Note1)
Environment	Admissible press.	18MPa(probe rod)
	Operating Temp	-20°C ~ +80°C (probe)
		0°C∼+60°C (controller)
	Storage Temp	-40°C ~ +80°C
	Vibration	3G(or 40Hz 1mmPP)
	Shock	20G(2msec)
	Protection	IP64(probe)
Cable length		1.5m(Standard) (Option Max.5m)

- •The above mentioned accuracy applies to sensors with an effective stroke of 100mm or more.
- •Zero/Gain adjustments by trimmer of controller is possible, std within $\pm 3\%$ FS. (Note1)liquid level application:approx 100Hz sampling

Model No.

■Probe GYPE2K-□□□-Y4-G□ ① ②

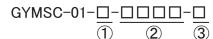
①Effective stroke 50mm~250mm

②Cable length(m) Standard 1.5m

Thread: M18x1.0, Rod: ϕ 4

(Note2) Please use the cable as specified though it is possible to extend to Max.5m in case so specified in advance. (The cable cannot be extended, nor cut.) The terminal stand or connector etc. can be used to arrange cable length.

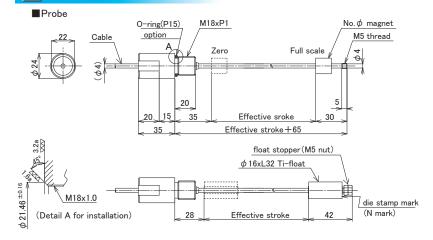
■ Controller



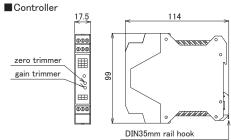
①Output A:0~10V B:4~20mA ②Effective stroke 50mm∼250mm

③Direction of output (toward probe tip) D:output increase R:output decrease

Dimensions



- •Material probe head: SS316, probe rod: SS316
- Standard magnet: No. φ , float: Ti-float
- ullet The M5 screw installed in the rod tip can be used as float stopper or to fix the sensor.
- •When the sensor rod part is to be sealed, O ring should be used, refer to detail A drawing.



■Ti float

	φ 16xL32 Ti float		
Volume	5.31cm ³		
Mass	4.17g		
float gravity	0.79(±0.03)		
Pressure	2MPa		
Material	Ti (titanium)		

Because of the float ϕ 16, it is possible to install it in the container with the probe of which thread is M18.

