GYHR Probe **GYMNC** Controller

High Ambient Temperature Version

GYHR probe is designed to operate at high ambient temperatures up to 100°C, including sensor head.

Electronic parts inside are minimized, yet our device of circuit produces high performance and reliability in the application.

Cable used has reinforced silicon rubber sheath which stands ambient temperatures up to 150°C. Max cable extension is 100m. GYHR probe can also be used in combination with GYHC and GYDC-05 controller, which provides velocity output or digital output. (refer P.19, P.21)

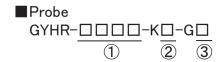
Specifications

Accuracy	Non-linearity	< ±0.1%FS TYP
	Resolution	< 0.01%FS
	Repeatability	< ±0.05%FS
	Temp drift	$22 \mu\text{m/°C} + 50 \text{ppmFS/°C} (\text{probe})$
		±50ppmFS/°C(controller)
Output	Voltage output	0~10V or 10~0V
		(output current:Max.5mA、load:Min.2kΩ)
	Current output	4∼20mA or 20∼4mA
		(load : Min.500 Ω)
Power supply		+24(±2)VDC (100mA)
Frequency response		Std 1kHz(depending on stroke) sampling
Environment	Admissible press.	35MPa(probe rod)
	Operating Temp	-5°C ~ +100°C (probe)
		0°C∼+60°C(controller)
	Storage Temp	-40°C∼+120°C (probe)
	Vibration	6G(or 40Hz 2mmPP)
	Shock	50G(2msec)
	Protection	IP64(probe)
Cable length		1.5m(Standard) (Option Max.100m)

- •The above mentioned accuracy applies to sensors with an effective stroke of 300mm or more.
- •Zero/Gain adjustments by trimmer of controller is possible, std within ±3%FS.



Model No.



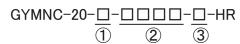
(1)Effective stroke (2)Sensor rod 15mm~2000mm diameter

3 Cable length (m) Standard: 1.5m

8: ϕ 8(Standard) blank: ϕ 10

XIn case of an effective stroke of 1000mm or more, it needs screw side dead zone length of 120mm and tip dead zone length of 120mm.

■ Controller



1)Output 2 Efective stroke A:0~10V 15mm~2000mm B:4~20mA

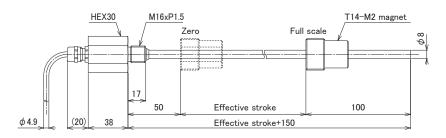
3 Direction of output (toward probe tip) D: output increase

C: others (bipolar)

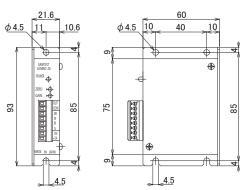
R: output decrease

Dimensions

Probe



■ Controller



- Material probe head: \$\$304, probe rod: \$\$304
- •Standard magnet: T14-M2. Other magnets are available from Magnet Grouping $\lceil B \rfloor$ (P.33).
- •The tip dead zone length (100mm) depends on the magnet or float type.