

GYMA Probe

Analogue

GPM
**Noise
Cancel**

**Compact analogue output
(4-20mA only)**



GYMA has the same appearance as GYMS (compact head) and is all-in-one series. We achieved downsizing of all-in-one series by the latest circuit design. GYMA has high reliability with IP67 like GYMS. Only 4-20mA output is available.

Specifications

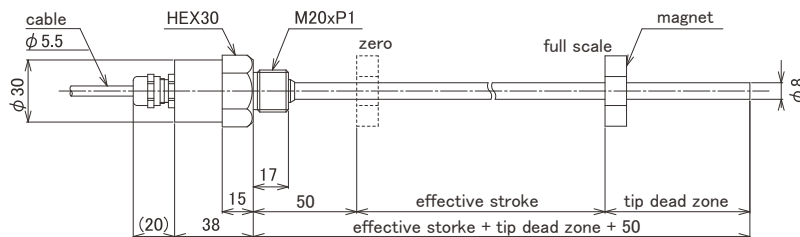
Accuracy	Non-linearity	$\leq \pm 0.025\%FS$ TYP
	Resolution	$\leq 0.1mm$
	Repeatability	$\leq \pm 0.1mm$
	Temp. drift	$\leq \pm 0.03\%FS/^{\circ}C$
Output	Voltage output	not available
	Current output	4~20mA or 20~4mA (load: Max.500Ω)
	Alarm output	not available
Environment	Power supply	+24(±2)VDC (100mA)
	Sampling freq.	Std 1kHz (up to stroke 1000mm)
	Max. Pressure	35MPa (probe rod)
	Operating temp.	-20°C~+80°C
	Storage temp.	-40°C~+80°C
	Vibration	6G (or 40Hz 2mmPP)
	Shock	50G (2msec)
	IP grade	IP67

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

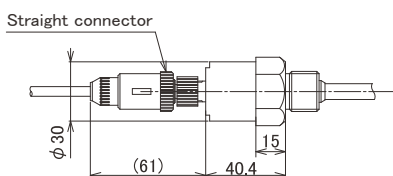
• The specification of stroke less than 300mm is equal that of stroke 300mm.

Dimensions

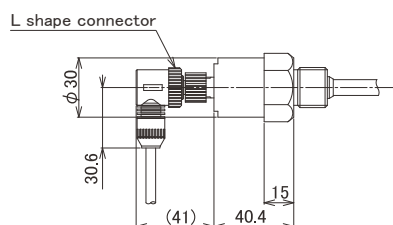
■ probe



■ Straight connector type



■ L shape connector type



■ Cable

Wire color	Pin number	Function
red	1	+24VDC
white	2	0V
black	3	OUT
green	4	COM
shield	-	shield

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

- Material : Probe head : SS304, Probe rod : SS304
- magnet : Select one from group GG on page 110
- The tip dead zone length depends on the selected magnet or float.
- Connector : Omron XS2C-D4S1 (straight connector) or D4S2 (L type) (material : PBT plastic)
- Suitable cable diameter : $\Phi 5 \sim \Phi 6$, Wire size : 0.18~0.75mm²
- cable length : Max. 100m

