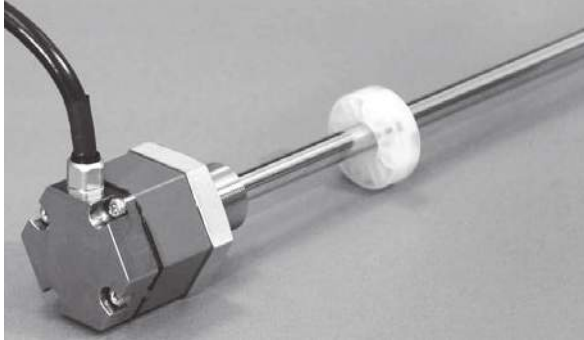


GYMRA Probe

Analogue

GPM
**Noise
Cancel**

**Flat head type, analogue output
(detachable probe element)**



GYMRA probe is the flat head type, analog output sensor which put the thickness of the head part of a GYSE probe in 48.5mm by the latest circuit design. The output is voltage or current. With the captive software (GPM), zero and gain adjustment is possible at the user. The sensor inside element flexible option is available and also most suitable for the exchange when space is small.

Specifications

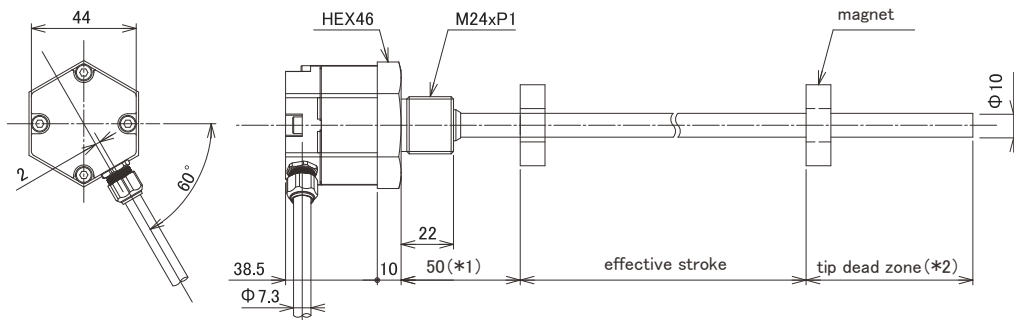
Accuracy	Non-linearity	$\leq \pm 0.025\%FS$ TYP
	Resolution	$\leq 0.1mm$
	Repeatability	$\leq \pm 0.1mm$
	Temp. drift	$\leq \pm 20ppmFS/^{\circ}C$
Output	Voltage output	0~10V or 10~0V (output current: Max.5mA, load: Min.2k Ω)
	Current output	4~20mA or 20~4mA (load: Max.500 Ω)
	Alarm output	Open drain 50V 0.1A (for magnet missing)
Environment	Power supply	+24(± 2)VDC (60mA)
	Sampling freq.	Std 1kHz (up to stroke 1000mm)
	Max. Pressure	35MPa (probe rod)
	Operating temp.	-20 $^{\circ}C$ ~+75 $^{\circ}C$
	Storage temp.	-40 $^{\circ}C$ ~+75 $^{\circ}C$
	Vibration	15G (20~100Hz)
	Shock	100G (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

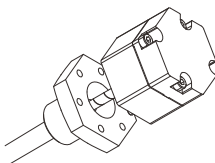
Probe



*1) In case of an effective stroke 3001mm or more, head dead zone is 100mm. (Model code ② : 100)

*2) In case of an effective stroke 3001mm or more, tip dead zone is "standard length + 30mm". (Model code ③ : 100/120/130)

Detachable probe element



- materials : Probe head : Al alloy, Probe rod : SS304
- magnet : Select one from group GG on page 110
- The tip dead zone length depends on the selected magnet or float.
- cable length : Max.10m (0~10V output), Max.100m (4~20mA output)

Cable

Wire color	Function
red	+24VDC
white	0V
blue	Voltage output
green	COM1
brown	Current output
black	COM2
yellow	Alarm

- Shield should be connected with 0V at user side.
- In case you select the voltage output, you can't use the brown and black wires.
- In case you select the current output, you can't use the blue and green wires.

