

GYcRS GYcRP Probe

High Performance Probe

GYcRS and GYcRP probe uses RS-422 differential line drivers signal transmission of which advantage is the noise free transmission with a simple interface.

In combination with GYDC-05 controller, GYcRS probe has achieved high resolution of 1 μ m.

GYcRP probe is available for high temperature ambient (200°C) and SRT (Shock Resistant Technology) options.



Specifications

Probe	GYcRS	GYcRP	
Accuracy	Non-linearity	< $\pm 0.025\%$ FS TYP	< $\pm 0.05\%$ FS TYP
	Resolution(anao glue) (digital)	16bit (with GYHC) Min.1 μ m (with DC05)	0.01%FS (with GYHC) 0.1mm (with DC05)
	Repeatability	< $\pm 0.01\%$ FS	< $\pm 0.01\%$ FS
	Temp drift	< ± 20 ppmFS/°C	< ± 50 ppmFS/°C
Environment	Admissible press.	35MPa (probe rod)	35MPa (probe rod)
	Operating Temp	-20°C ~ +80°C	-5°C ~ +65°C
	Storage Temp	-40°C ~ +80°C	-40°C ~ +80°C
	Vibration	6G (40Hz2mmPP)	6G (40Hz2mmPP)
	Shock	100G (2msec)	50G (2msec)
	Protection	IP65	IP65
Cable length	1.5m (Standard) (Option Max.200m)		

- The above mentioned accuracy applies to sensors with an effective stroke of 300mm or more.
- Resolution depends on the controller combined.

Model No.

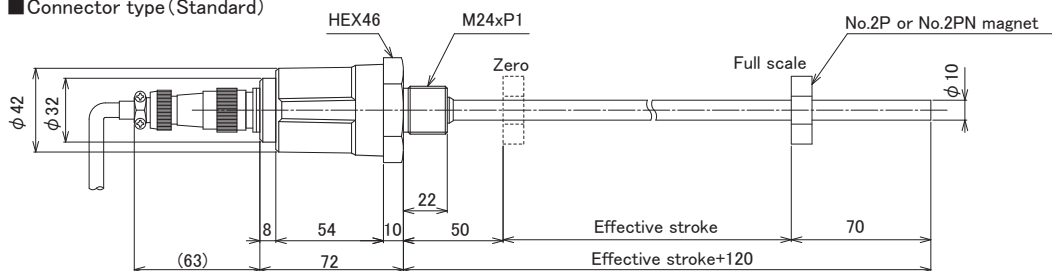
GYcRS-01
GYcRP - □□□□-□□-□
① ② ③ ④

- ① Effective stroke
15mm ~ 5200mm
- ② Thread
M: M24xP1.0 (Std)
N: M18xP1.5
U: 3/4-16UNF
- ③ Sensor rod diameter
blank: ϕ 10 (Standard)
8: ϕ 8
14: ϕ 13.8
- ④ Cable connection
CN: Connector (Standard)
G※: Pigtail type
(※: Cable length [m],
Standard: 1.5m)

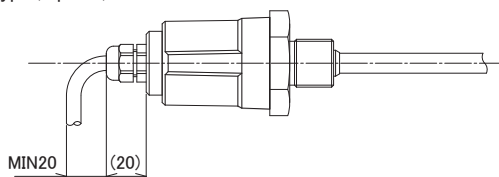
- ◆ Combined controller
Analogue output type: GYHC (P.19), GYFC2 (P.20)
Digital output type: GYDC-05 (P.21)
With LED Display: GKS-01 (P.23) (only GYcRS)

Dimensions

Connector type (Standard)



Pigtail type (Option)



- Material probe head: Al diecast, probe rod: SS304
- (GYcRP probe) Standard magnet: No.2P
Other magnets are available from Magnet Grouping「BJ」(P.33).
- (GYcRS probe) 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: Sanwa SNW-1607-PCF (Material: zinc alloy fluoroplastic)

◆ In case of using probe only, probe outputs digital signals (start/stop) using RS422 differential line drivers. In response to user's interrogation (start) pulse, probe provides stop pulse.

