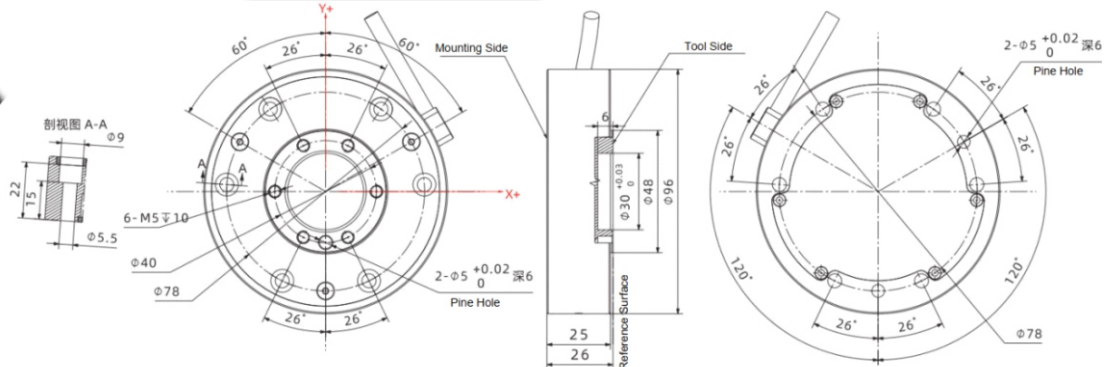


Six-Axis Force Sensor



GMD307

Size: $\phi 96 \times H26\text{mm}$



FEATURES

- Large bending moment range, six-axis joint calibration, fully suppress crosstalk;
- Using aviation alloy, high overload, built-in high-precision embedded data acquisition and calculation system;
- It is suitable for applications in small industrial robots, collaborative robots, service robots, etc.

SPECIFICATION

Performance Parameter	GMD307A	GMD307B	GMD307C	GMD307D	GMD307E	GMD307F
Fx,Fy(N)	100	200	300	400	2000	3000
Fz(N)	200	400	600	800	2000	4000
Mx,My(Nm)	10	18	24	36	100	120
Mz(Nm)	10	18	24	36	100	120
Diameter(mm)	96	96	96	96	96	96
Height(mm)	26	26	26	26	26	26
Comprehensive Error(%F.S)	0.5	0.5	0.5	0.5	3	3
Resolution(%F.S)	0.03	0.03	0.03	0.03	0.05	0.05
Repeatability Error(%F.S)	0.1	0.1	0.1	0.1	0.3	0.3
Sampling Rate(Hz)	1000	1000	1000	1000	1000	1000
Operating Temp Range(°C)	-10~80	-10~80	-10~80	-10~80	-10~80	-10~80
Supply Power(VDC)	12~48	12~48	12~48	12~48	12~48	12~48
Overload Level(%F.S)	300	300	300	300	300	200
Ingress Protection	Ip64	Ip64	Ip64	Ip64	Ip64	Ip64
Material	Aluminum alloy				Alloy steel	
Surface Treatment	Anodizing				Electropolishing	
Weight(kg)	0.32	0.32	0.36	0.36	1.6	1.65
Communication Interface	RS485、RS422、USB、Ethernet(choose any one)					
Communication Protocol	TCP、UDP、Modbus RTU、Modbus TCP、EtherCAT					