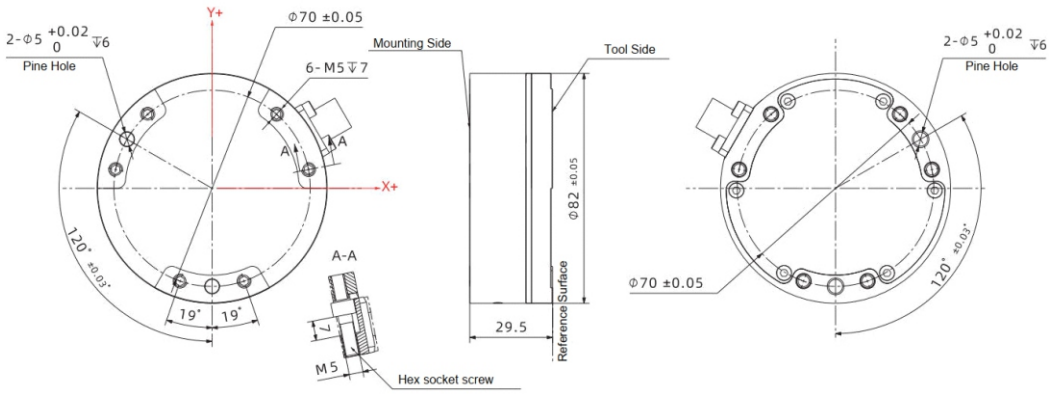
Six-Axis Force Sensor

GMD309

Size:ϕ82*H29.5mm



FEATURES

- Six-axis joint calibration,effectively suppresses cross-talk;
- Built-in high-precision embedede data acquisition and computing system;
- Aerospace-grade alloy,high overload capacity,high rigidity and sensitivity;
- For small industrial robots,wind tunnel testing,cutting and grinding.

SPECIFICATION

Technical Index	GMD309A	GMD309B	GMD309C	GMD309D	GMD309E
Fx,Fy(N)	50	200	100	400	500
Fz(N)	50	200	100	500	700
Mx,My(Nm)	2	8	4	12	18
Mz(Nm)	2	8	4	12	18
Diameter(mm)	82	82	82	82	82
Height(mm)	29.5	29.5	29.5	29.5	29.5
Comprehensive Error(%F.S)	0.5	0.5	0.5	0.5	0.5
Resolution(%F.S)	0.03	0.03	0.03	0.03	0.03
Repeatability Error(%F.S)	0.1	0.1	0.1	0.1	0.1
Sampling Rate(Hz)	1000	1000	1000	1000	1000
Operating Temp Range(℃)	-10~+80	-10~+80	-10~+80	-10~+80	-10~+80
Supply Power(VDC)	12~48	12~48	12~48	12~48	12~48
Overload Level(%F.S)	300	300	300	300	300
Ingress Protection	IP64	IP64	IP64	IP64	IP64
Material	Aluminum alloy				
Surface Treatment	Anodizing				
Weight(kg)	0.26	0.28	0.28	0.32	0.36
Communication Interface	RS485、RS422、USB、Ethernet(choose any one)				
Communication Protocol	TCP、UDP、Modbus RTU、Modbus TCP、EtherCAT				

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