



MLC5096F3 Cylindrical 3-axis Force Sensor FxFyMz

Model: MLC5096F3

Category: Multi-Axis Force Sensor

X-axis Fx: 5-500kg

Y-axis Fy: 5-500g

Z-axis Mz: 5-50N.m

Dimensions: Ø96*100mm

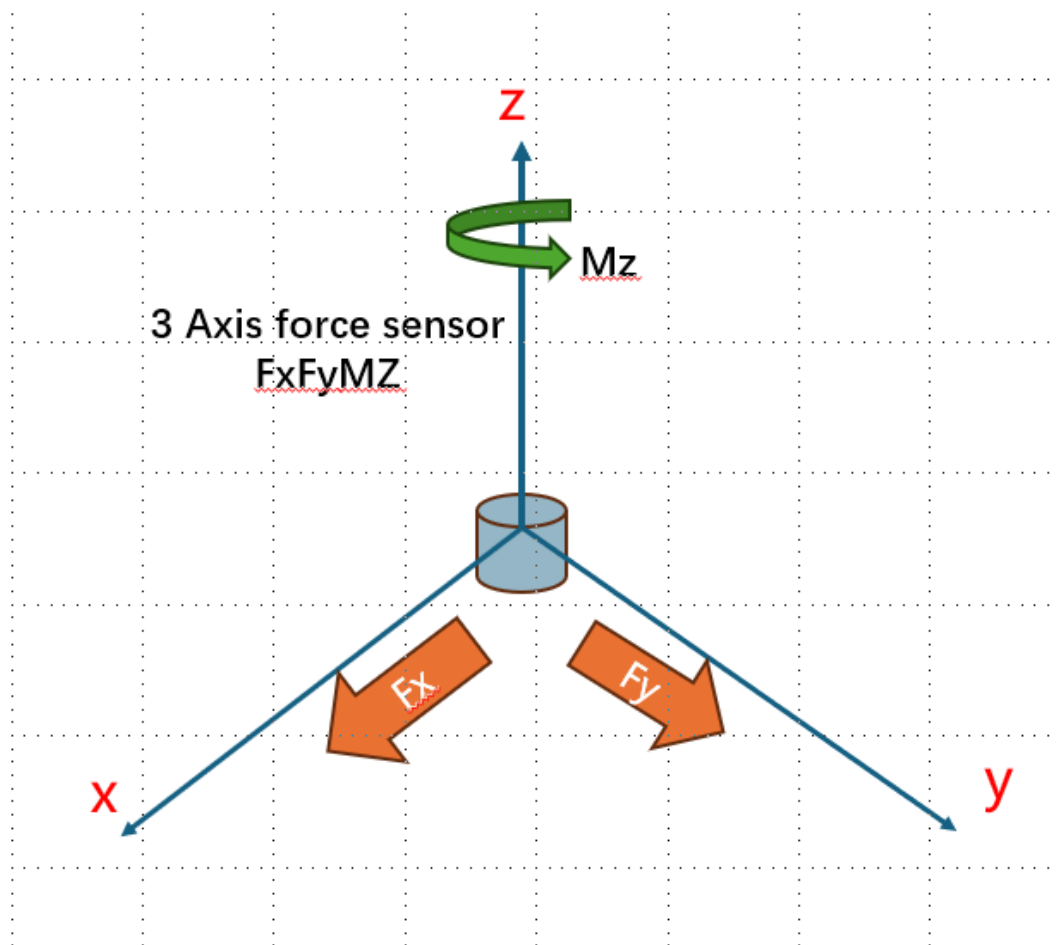
Material: Aluminum Alloy, Alloy Steel , Stainless Steel

Application:

Force analysis in robot manufacturing, UAV, automation equipment, processing, grinding, polishing, cutting



MLC5096F3

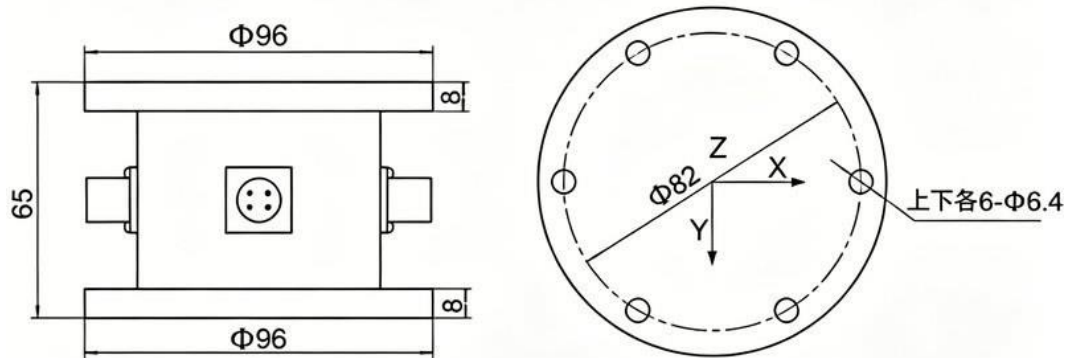


Force Structure

Technical Specifications

Combined Error	0.3%FS	Output Resistance	350±5Ω
Rated Output	0.8±0.005 mv/v	Insulation Resistance	≥5000MΩ(100VDC)
Nonlinearity	0.3%FS	Operating Voltage	9~12VDC
Hysteresis	0.3%FS	Compensated Temperature	-10~+40℃
Repeatability	0.3%FS	Operating Temperature	-20~+55℃
Creep	0.3%FS/30MIN	Zero Temp Effect:	0.03%FS/10℃
Zero Output	±1%FS	Sensitivity Temp Effect	0.03%FS/10℃
Input Resistance	380±10Ω	Crosstalk	≤±2.5%F.S.

MLC5096F3-SIZE



Product Dimensions