



MLC5046F4 Cylindrical 4-axis Force Sensor FxFyFzMz

Model: MLC5046f4

Category: Multi-Axis Force Sensor

X-axis Fx: 0-10kg

X-axis Fx: 0--10kg

Z-axis Fz: 0-20kg

Z-axis Mz: 2-10N.m

Dimensions: 87*12.7*12.7mm

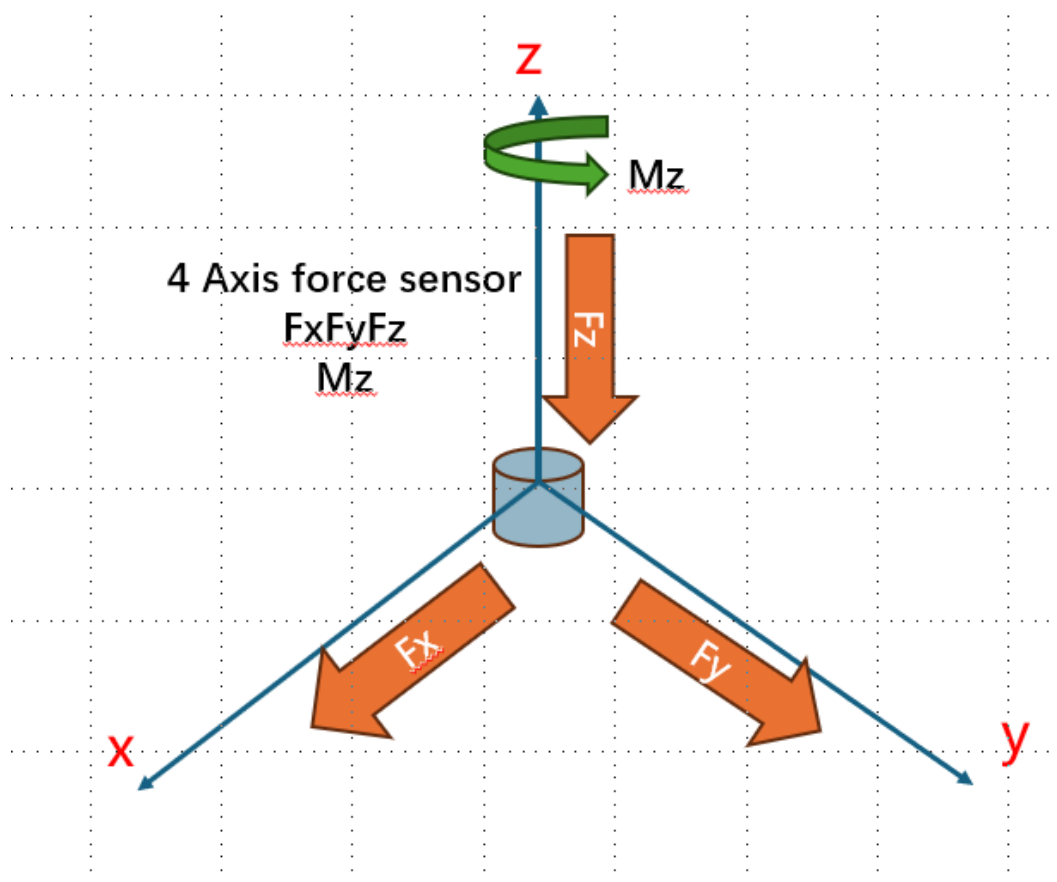
Material: Aluminum Alloy, Alloy Steel , Stainless Steel

Application:

Precision assembly, automatic grinding, contour tracking, robot polishing; for aerospace, machining, automotive



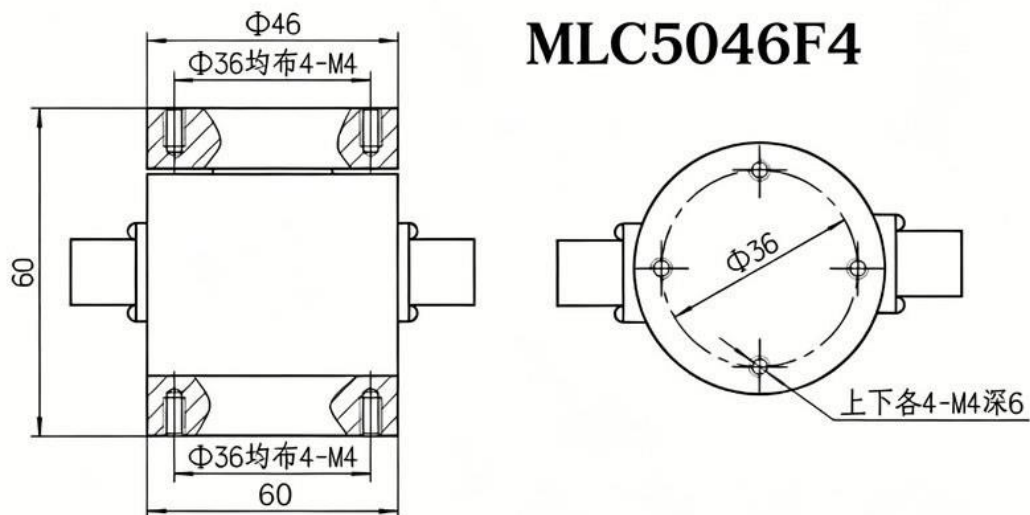
MLC5046F4



Force Structure

Technical Specifications

Combined Error	0.3%FS	Output Resistance	350±5Ω
Rated Output	0.7-1.5±0.05 mv/v	Insulation Resistance	≥5000MΩ(100VDC)
Nonlinearity	0.3%FS	Operating Voltage	9~12VDC
Hysteresis	0.3%FS	Compensated Temperature	-10~+40°C
Repeatability	0.3%FS	Operating Temperature	-20~+55°C
Creep	0.3%FS/30MIN	Zero Temp Effect:	0.03%FS/10°C
Zero Output	±1%FS	Sensitivity Temp Effect	0.03%FS/10°C
Input Resistance	380±10Ω	Crosstalk	≤±2.5%F.S.



Product Dimensions