



MLC5160SF3 Rectangular 3-axis Force Sensor FxFyFz

Model: MLC5160SF3

Category: Multi-Axis Force Sensor

X-axis Fx: 5-500-2500KG

X-axis Fx: 5-500-2500KG

Z-axis Fz: 10-500-4000KG

Dimensions: 160*160*110mm

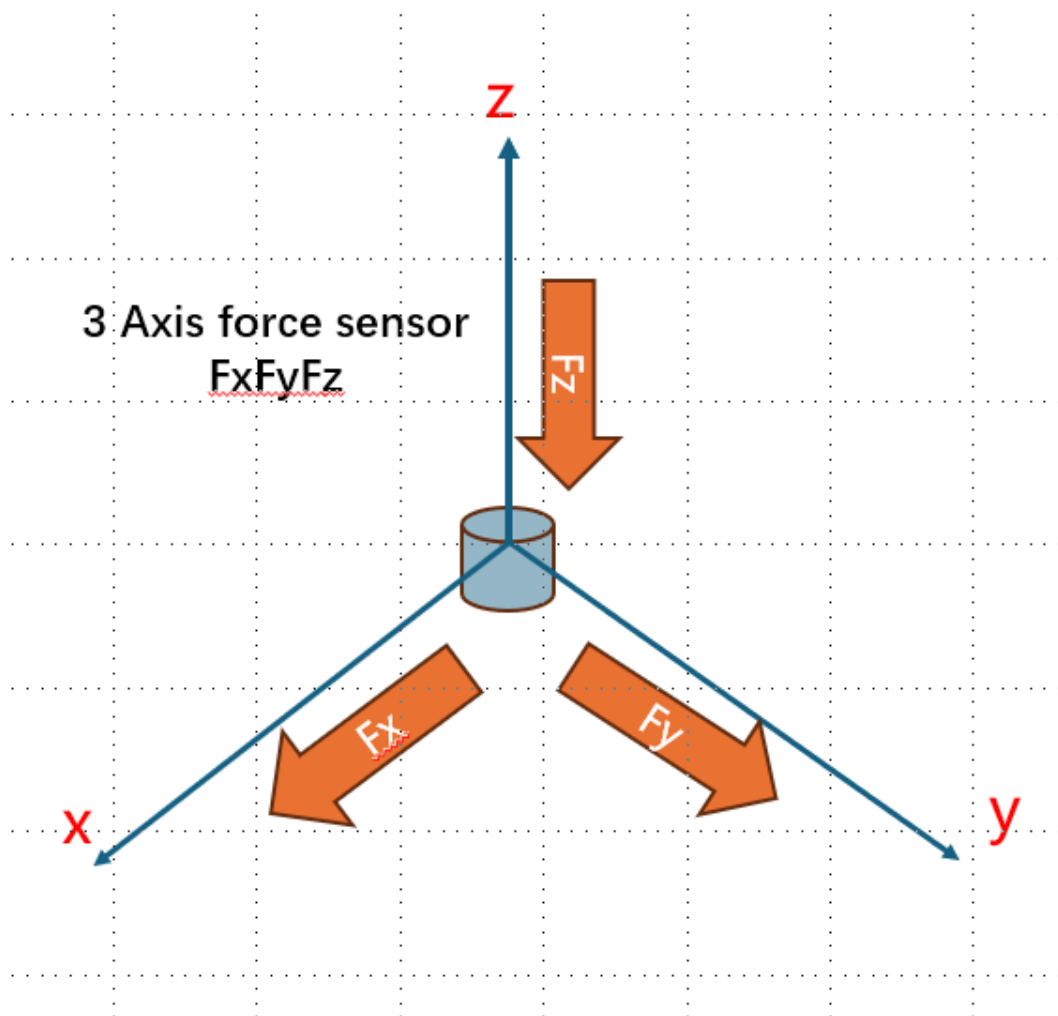
Material: Aluminum Alloy, Alloy Steel , Stainless Steel

Application:

Robot assembly, robotic arms, vehicle inspection lines, machine tool force measurement, auto parts welding



MLC5160SF3

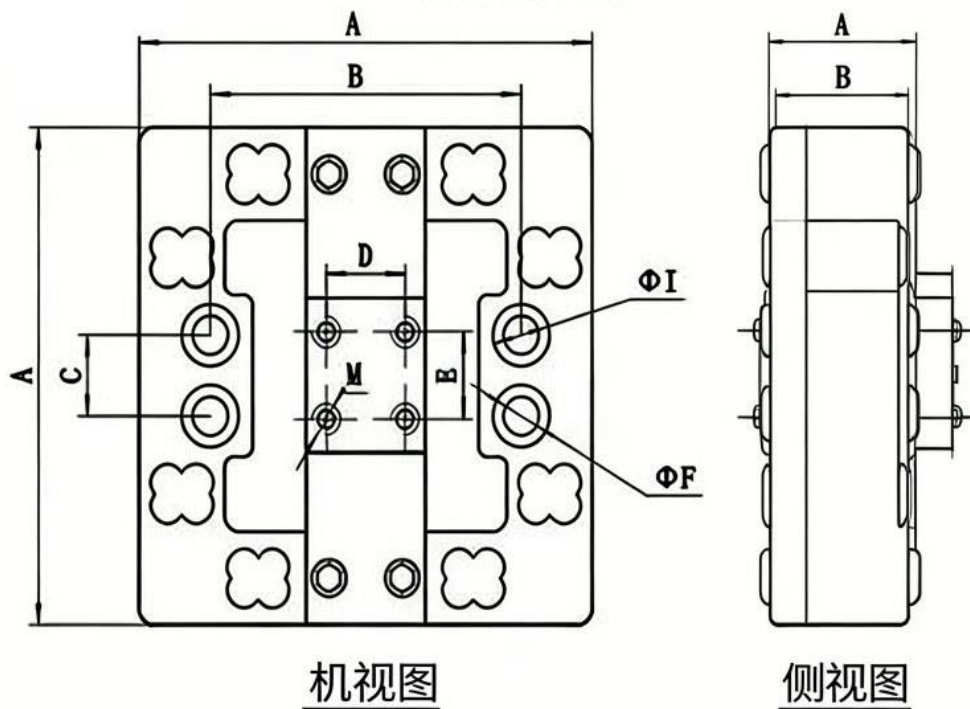


Force Structure

Technical Specifications

Combined Error	0.3%FS	Output Resistance	350±5Ω
Rated Output	0.8-1.5mv/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.

MLC5160SF3-SIZE



尺寸 量程	A	B	C	D	E	ΦF	ΦI	H	L	M
X轴/Y轴: 5~500kg Z轴: 10kg~1T	120	108	30	24	24	Φ6.5	Φ10.5	28	30	4-Ⅱ6
X轴/Y轴: 300kg~2.5T Z轴: 500kg~4T	160	110	26	28	28	Φ12.5	Φ20	62	66	4-Ⅱ10

Product Dimensions