



MLC5087F2 Beam 2-axis Force Sensor FxFy

Model: MLC5087f2

Category: Multi-Axis Force Sensor

X-axis Fx: 1-5kg

X-axis Fy: 1-5kg

Dimensions: 87*12.7*12.7mm

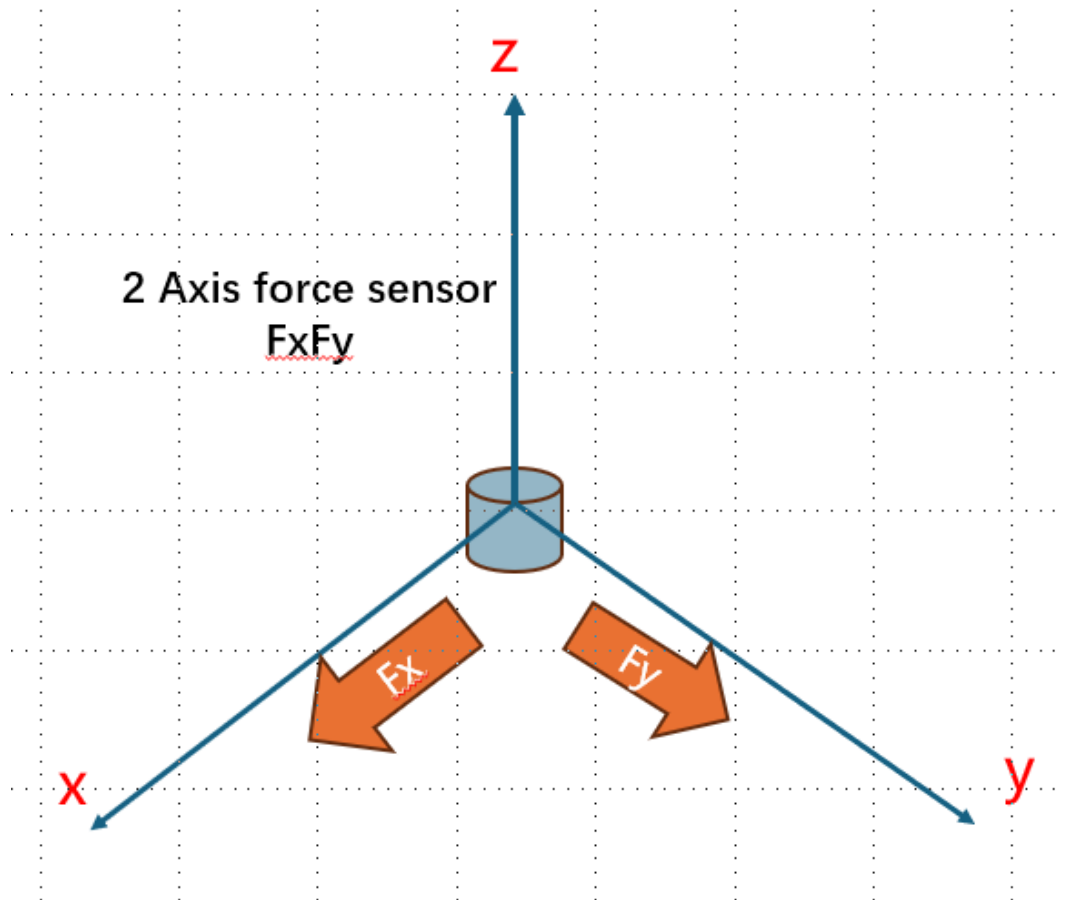
Material: Aluminum Alloy, Alloy Steel , Stainless Steel

Application:

Smart Robots, Polishing Equipment



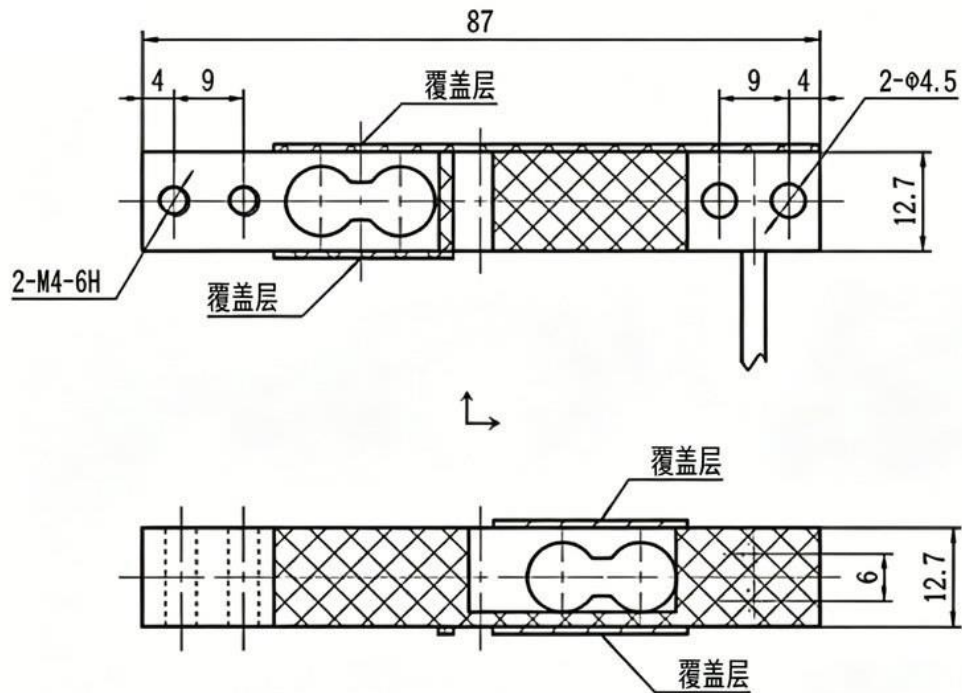
MLC5087F2



Force Structure

Technical Specifications

Combined Error	0.1%FS	Output Resistance	350±5Ω
Rated Output	1.0-2.0±0.05 mv/v	Insulation Resistance	≥5000MΩ(100VDC)
Nonlinearity	0.1%FS	Operating Voltage	9~12VDC
Hysteresis	0.1%FS	Compensated Temperature	-10~+40°C
Repeatability	0.1%FS	Operating Temperature	-20~+55°C
Creep	0.1%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.



MLC5087F2-SIZE

Product Dimensions