



MLC5086SF3 Rectangular 3-axis Force Sensor FxFyFz

Model: MLC5086SF3

Category: Multi-Axis Force Sensor

X-axis Fx: 5-250KG

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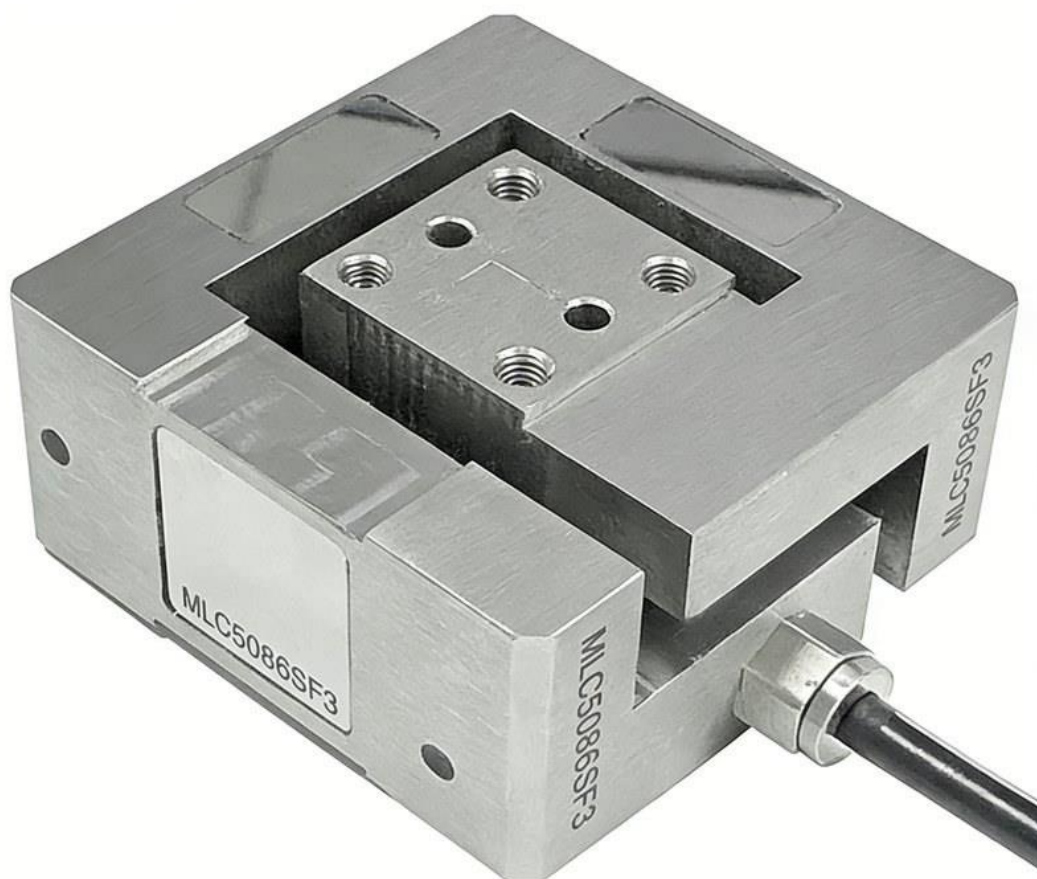
Z-axis Fz: 10-500KG

Dimensions: 86*86*45mm

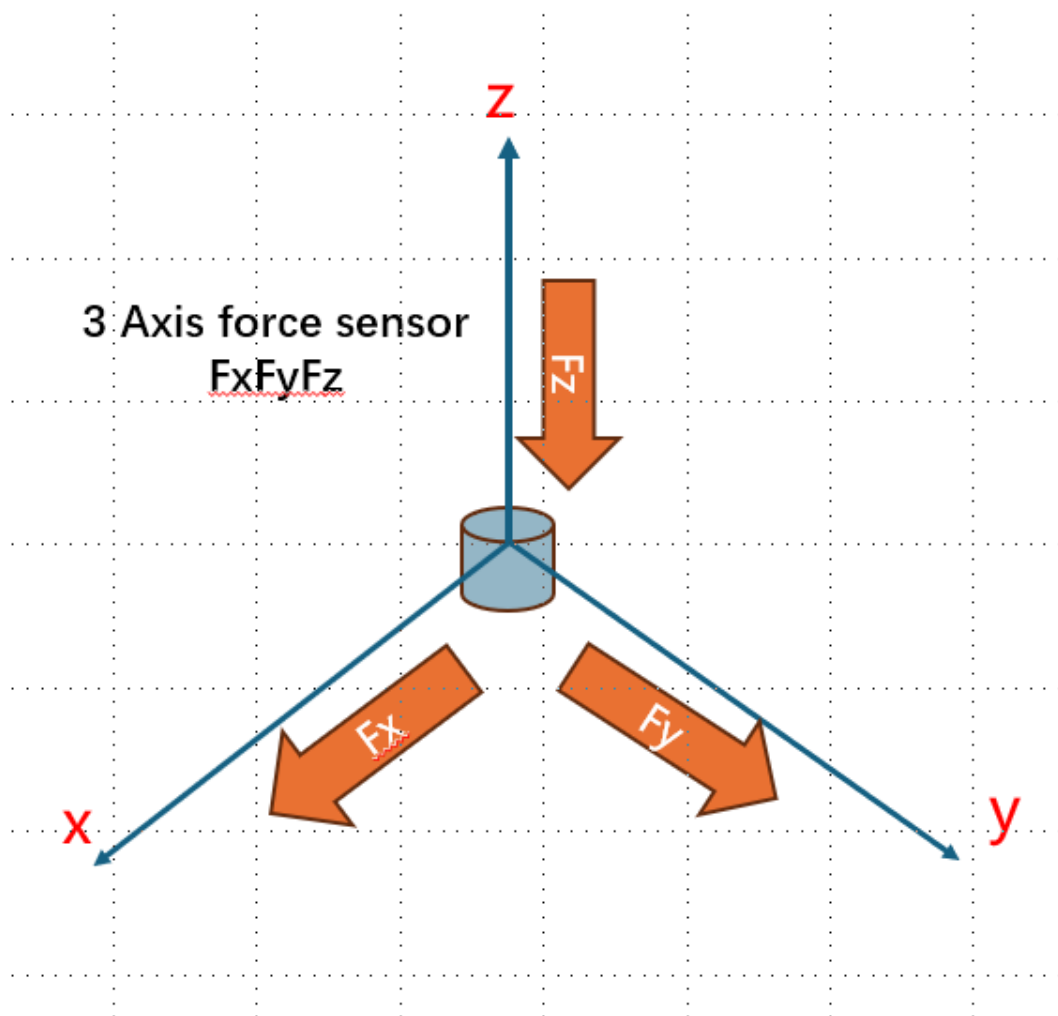
Material: Aluminum Alloy, Alloy Steel , Stainless Steel

Application:

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



MLC5086SF3

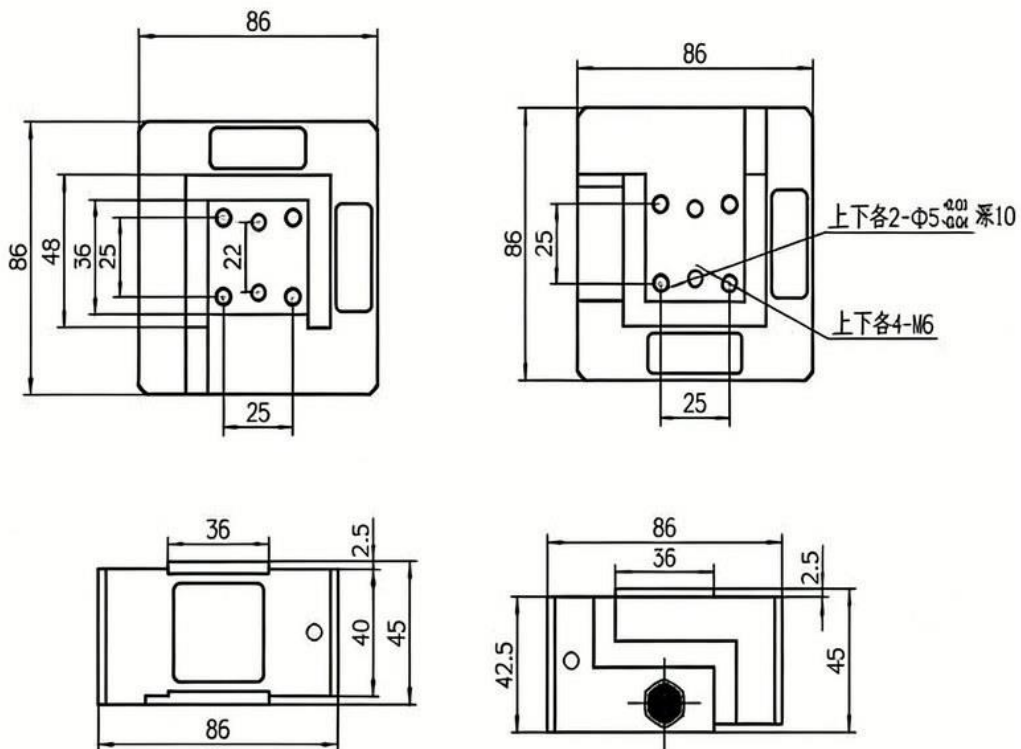


Force Structure

Technical Specifications

Combined Error	0.3%FS	Output Resistance	350±5Ω
Rated Output	1.0-1.5mv/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.

MLC5086SF3-SIZE



Product Dimensions