



MLC5135F3 Cylindrical 3-axis Force Sensor FxFyFz

Model: MLC5142F3

Category: Multi-Axis Force Sensor

X-axis Fx: 200-3000KG

X-axis Fx: 200-3000KG

Z-axis Fz: 400-6000KG

Dimensions: Ø135*135mm

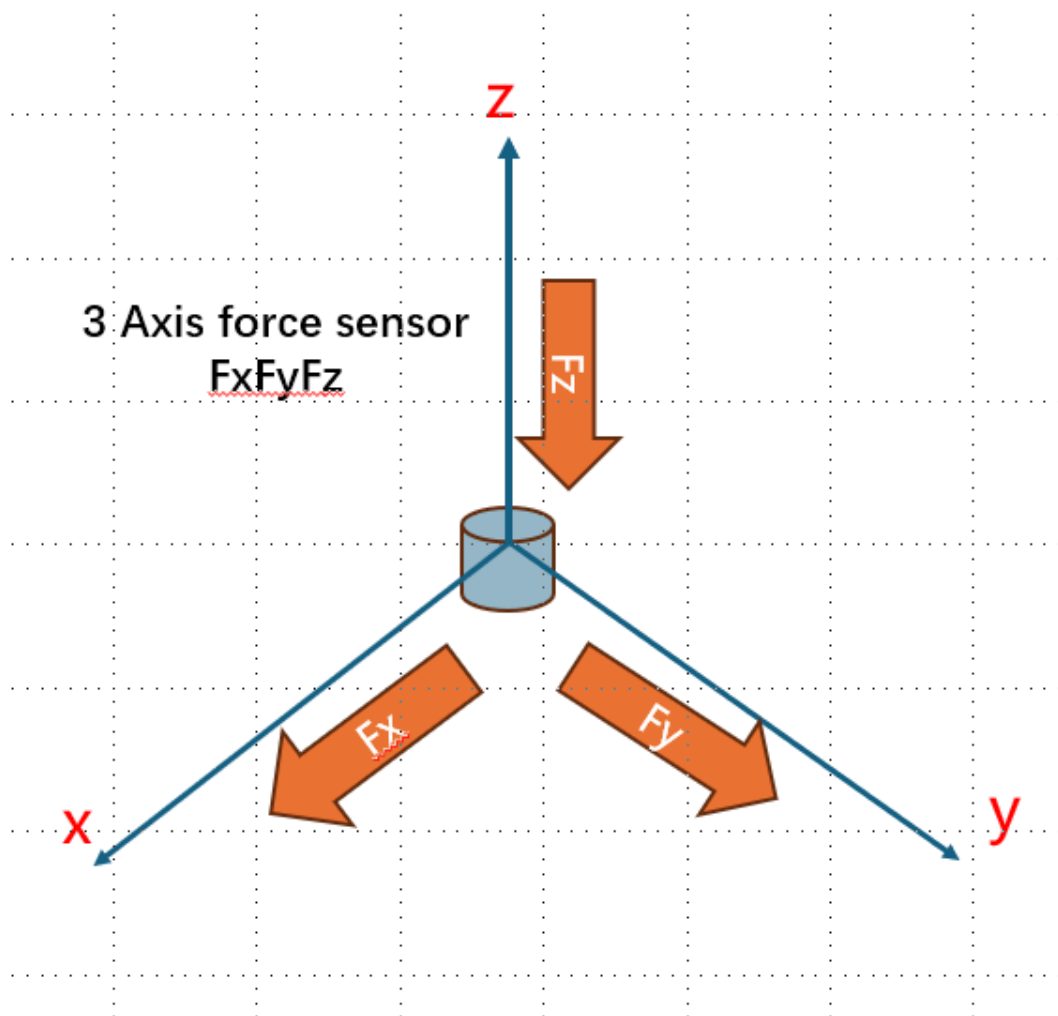
Material: Aluminum Alloy, Alloy Steel , Stainless Steel

Application:

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



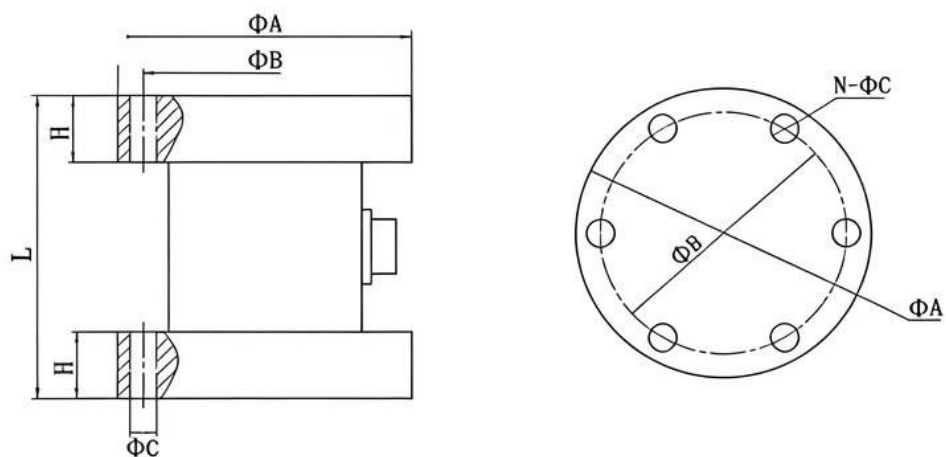
MLC5135F3



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.



MLC5135F3-SIZE

尺寸 量程	ΦA	ΦB	N-ΦC	L	H
X.Y. 200Kg-100Kg Z. 400KG-200Kg	96	80	6-Φ9	100	22
X.Y. 1500Kg-3000Kg Z. 300kg-600Kg	135	108	8-Φ13	135	30

Product Dimensions