



## MLC5032SF3 Rectangular 3-axis Force Sensor FxFyFz

Model: MLC5032SF3

Category: Multi-Axis Force Sensor

X-axis Fx: 0-50N

X-axis Fx: 0-50N

Z-axis Fz: 0-100N

Dimensions: 32\*32\*20mm

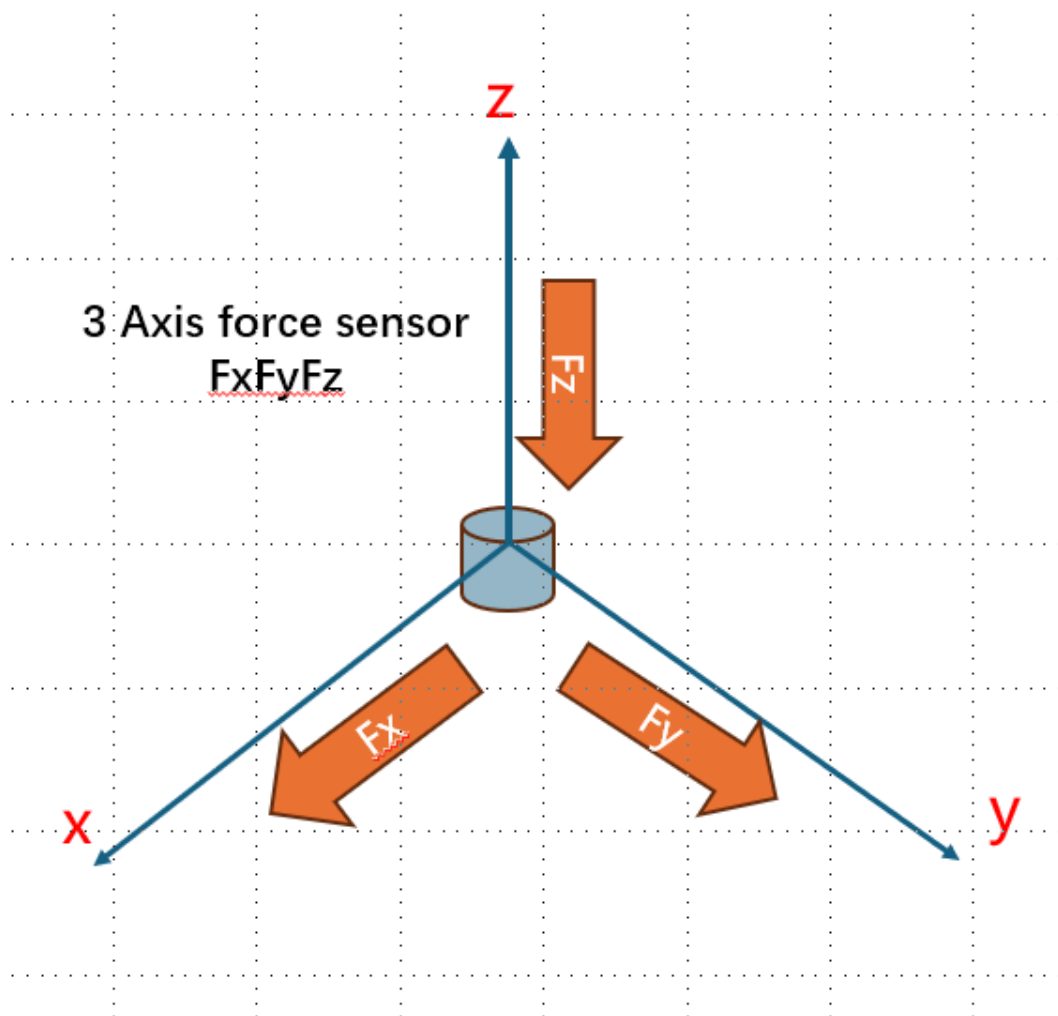
Material: Aluminum Alloy, Alloy Steel , Stainless Steel

Application:

Robot manufacturing, automation equipment, automation control, smart robots, polishing equipment



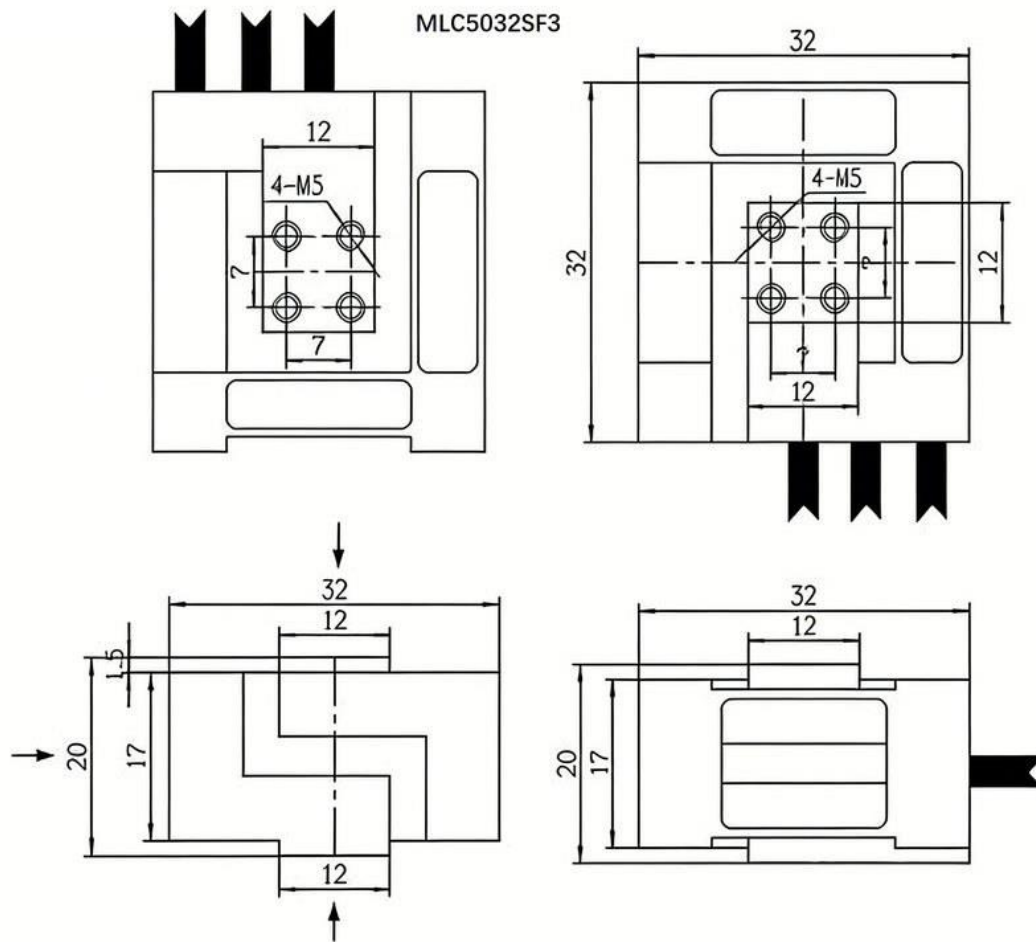
MLC5032SF3



Force Structure

### Technical Specifications

|                  |              |                         |                 |
|------------------|--------------|-------------------------|-----------------|
| Combined Error   | 0.3%FS       | Output Resistance       | 350±5Ω          |
| Rated Output     | 1.0mv/v      | Insulation Resistance   | ≥5000MΩ(100VDC) |
| Nonlinearity     | 0.3%FS       | Operating Voltage       | 9~12VDC         |
| Hysteresis       | 0.3%FS       | Compensated Temperature | -10~+40℃        |
| Repeatability    | 0.3%FS       | Operating Temperature   | -20~+55℃        |
| Creep            | 0.3%FS/30MIN | Zero Temp Effect:       | 0.03%FS/10℃     |
| Zero Output      | ±1%FS        | Sensitivity Temp Effect | 0.03%FS/10℃     |
| Input Resistance | 380±10Ω      | Crosstalk               | ≤±2.5%F.S.      |



Product Dimensions