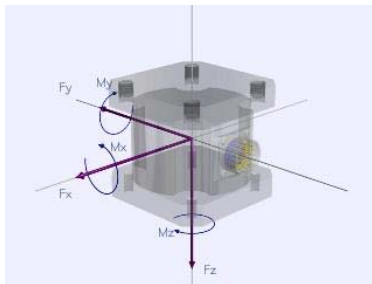


AMTI manufactures six-axis force and torque sensors specifically suited for automotive, aerospace and robotics applications. AMTI sensors measure the three orthogonal force components along the X, Y, and Z axes as well as their corresponding moments. The sensors are ideal for research and testing environments as they provide high stiffness, high sensitivity, low crosstalk, excellent repeatability and proven long-term stability.

AMTI provides many standard models in a wide range of physical sizes with vertical capacities that range from 445 Newton to 890,000 Newton. The company also regularly partners with individual researchers to create custom solutions for highly specialized applications.

AMTI general strain gage sensor specifications

Excitation	10V or less (recommended source: AMTI amplifier)
Crosstalk	Less than 2% on all channels
Temperature range	0 to 125°F (-17 to 52°C)
Fx, Fy, Fz hysteresis	± 0.2 % full scale output
Fx, Fy, Fz non-linearity	± 0.2% full scale output



Previous applications include:

Automotive

- Tire performance research
- Vehicle test stand instrumentation
- Operator ergonomics
- Crash testing
- Vehicle dynamics
- Vehicle aerodynamics
- Wind tunnel testing

Aerospace

- Wind tunnel measurements
- Control surface measurements
- Landing gear drop testing
- Pilot ergonomic studies
- Zero gravity ergonomic studies
- Task performance studies

Robotics

- Inline measurement of actuator forces
- Measurement of reaction forces under robots

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