

SERVICES

Engineering

Known worldwide for our custom transducer and slip ring design capabilities, Michigan Scientific also provides tailored engineering design services including computer aided design (CAD), finite element analysis (FEA), failure analysis, and product redesign.

Strain Gauging

Michigan Scientific has extensive experience strain gauging production components (shafts, gears, etc.) and offers deep-bore gauging as well. Our team of experts can provide on-site gauging when needed.

Instrumentation

Michigan Scientific provides full and partial vehicle instrumentation solutions for complete vehicle analysis. Our standard and custom measurement solutions produce precision load, pressure, acceleration, speed, strain, displacement, locations, and temperature data.

Our knowledgeable team will analyze your measurement needs, integrate customized sensors, and deliver complete signal transfer and mounting solutions.

Calibration

Our precision calibration services ensure the ongoing accuracy and consistency of both Michigan Scientific and other brands of one- to six-axis force and torque transducers up to 150,000 lb and 150,000 lb-ft.

Equipment Rentals

Contact us to learn about Michigan Scientific Wheel Transducer, Load Cell, and Telemetry rental options for short-term test needs.



*Precision Instrumentation &
Measurement Solutions*

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Slip Rings

Our instrumentation-quality slip rings facilitate the transfer of analog and digital signals from sensors to data acquisition in rotating applications.



Telemetry

Compact and lightweight transmitters, powered by induction or battery, provide non-contact signal transmission for measurements using strain gauges or thermocouples.



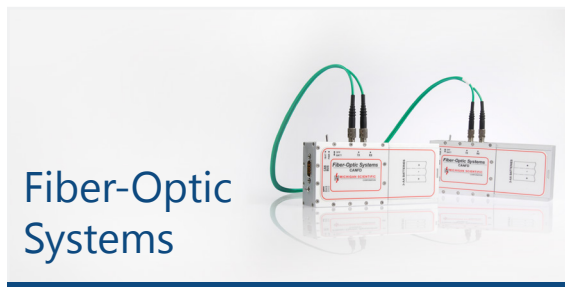
Wheel Transducers

Michigan Scientific provides wheel transducers for measuring torque and wheel forces and moments on a range of vehicles, trucks, and heavy equipment.



Sensors

Our precision sensors measure wheel speed, rotation, and side slip for use in vehicle testing, ADAS development, tire evaluation, and navigation support.



Fiber-Optic Systems

Michigan Scientific Fiber-Optic Systems monitor or source signals for component and full-scale testing with EMI/RFI hardening and superior signal stability.



Specialty Transducers

Ideal for unique measurement challenges, these transducers are designed with purpose-built functionality and tailored for specific, precision applications.



Electronics

Michigan Scientific signal conditioning equipment includes strain gage amplifiers, thermocouple amplifiers, amplifier control units, encoders, and resolvers.



Multi-Axis Load Cells

Our load cells are ideal for simultaneously measuring forces in single or multiple axes. They provide accurate, reliable results in a variety of applications.



Custom Transducers

Michigan Scientific specializes in the design and manufacture of custom strain gauge-based transducers from a wide variety of stock components.



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