

Load Cells/Miniature Load Cells



Products

- General purpose
- Tension and compression
- Fatigue rated
- Low profile
- Miniature/subminiature
- Canister
- Thru hole designs



Potential Applications

- Pedal effort testing
- Seat belt testing
- Tire uniformity machine sensors
- Latch and lock testing
- Manual and automatic shift forces
- Cable testing
- Crimp forces
- Friction/resistance weld quality testing
- Body mount forces
- Seat tests

Pressure Sensors/Miniature Pressure Sensors



Products

- Gage pressure sensors
- Vacuum pressure sensors
- Differential pressure sensors
- Absolute pressure sensors
- Barometric pressure sensors



Potential Applications

- Engine oil pressure
- Coolant pressure
- Fuel pressure
- Cylinder compression (cold test)
- Pressure decay
- Manifold vacuum
- Fluid flow
- Dry airflow

Torque



Products

- Reaction torque
- Hollow reaction
- Rotary torque
 - Slip ring
 - Non-contact rotary transformer
 - Telemetry
- Circular keyed shaft
- Flange mount
- Socket wrench
- Torque dial gauges



Potential Applications

- Engine and transmission dynamometers
- Power-train testing
- Wheel torque
- Steering torque
- Brake testing
- Pump testing
- Axle testing
- Fastener testing
- Fatigue component testing

Wireless Telemetry



Products

- WDC analog telemetry
- TMS digital telemetry



Potential Applications

- Automotive test stands
- Motor and transmission dynamometers
- Automotive brake testing
- Friction testing

Accelerometers/Vibration Monitoring



Products

- General purpose
- Miniature
- High frequency
- Velocity output
- Acceleration and temperature
- Built-in signal conditioning
- Piezoelectric
- Piezoresistive



Potential Applications

- NVH (noise, vehicle, harshness) testing
- Vehicle road testing
- Conditioning monitoring
- Vibration monitoring
- Crash tests
- Preventative maintenance monitoring

Displacement Transducers (LVDTs)



Products

- AC/AC
- DC/DC
- Captive guided
- Unguided
- Spring return
- Submersible
- Short stroke precision
- Long stroke



Potential Applications

- Body panel gauging
- Shaft alignment monitoring
- Valve guide and seat insertion control
- Dimensional gauging/verification
- Press-fitted parts verification
- Electrode dimensional inspection



Test and Measurement Sensors for Automotive Applications

When you are designing, testing, and building the latest products for the automotive industry, you need sensors that can stand up to the job... able to perform under harsh and demanding conditions, or in extremely tight spaces, rugged enough to withstand multiple testing runs and provide precise, accurate results over time, every time.

See why more people turn to Honeywell whenever they need sensors for their automotive test and measurement applications.

- More than 50 years of experience serving the automotive industry
- Comprehensive portfolio of test and measurement sensor products
- High accuracy, reliability, and robustness
- Calibration, repair, and warranty service offered on all Honeywell test and measurement sensors
- Extensive custom engineering capabilities
 - In-house design capabilities
 - Global engineering and manufacturing expertise
 - Fast delivery for both large and small custom orders
- Custom designs available for:
 - Extreme operating conditions
 - Demanding specifications
 - Specific physical configuration requirements

Find out more

To learn more about Honeywell's test and measurement products, call

+1-614-850-5000, email inquiries to

info.tm@honeywell.com,

europesales.tm@honeywell.com, or

visit **www.honeywell.com/sensotec**

Honeywell Sensing and Control

1985 Douglas Drive North

Golden Valley, MN 55422

www.honeywell.com

008853-2-EN IL50 GLO

September 2010

© 2010 Honeywell International Inc. All rights reserved.

Honeywell