

# Testing the Torque

## Teledyne Test Services

**Location:** Marion, MA

**Established:** 1930

**Products/Service:**

Products: Torque Sensors, Load Cells,  
Torque Wrench and Calibrators;  
Services: Valve Testing, Automotive  
Torque Testing, Strain Gauge

**Certifications:**

10CFR50 Appendix B – Quality Assurance  
Program

**Technology Specialty:**

Metal Foil and Semi-conductor Strain Gauge  
Applications; Standard for Monitoring Torque  
and Thrust in Critical Safety-related Systems  
Within Nuclear Power Plants



Not many of us embrace testing challenges like Teledyne Test Services. With almost 50 years of experience, we are unique as a source of both equipment and service for the precise measurement of torque and force in the testing of mechanical systems. Our focus is the design and manufacture of transducer-class strain gauge instruments as well as the data acquisition systems necessary to collect and analyze important test data. We service a broad industrial market with an emphasis on compliance testing in nuclear power plants, research and development testing in the automotive industry, and torque calibration testing and OEM strain gauge services for general industry.

Our test service begins by developing a comprehensive understanding of the customer application. This knowledge is then translated into an innovative, cost-effective measurement design solution. Our valve testing products are used in nuclear power plants to perform predictive maintenance and minimize downtime.

Ease of installation and repeatable accuracy has made our patented Quick Stem Sensor the instrument of choice within the industry.

Automotive manufacturers turn to our engine and driveshaft torque sensors to shorten their development cycle and bring new car designs more quickly to an increasingly competitive marketplace. By incorporating low cost gauging techniques and an innovative molding process, Teledyne Test Services offers robust and cost-effective sensor designs for industrial OEM applications.

# Teledyne Test Services

## Offers These Quality Products for Your Application

Product	Industry	Application
<b>Valve Testing Offerings</b>		
Smart Stem Torque and Thrust Sensor	Power Generation	Compliance Testing
Quick Stem Torque and Thrust Sensor	Power Generation	Compliance Testing
QL II+ Data Acquisition System	Power Generation	Compliance Testing
Sentry Data Logger	Power Generation	Compliance Testing
MOV Valve Testing	Power Generation	Compliance Testing
AOV Valve Testing	Power Generation	Compliance Testing

<b>Automotive Test Sensors</b>		
RT100 Shaft Torque Sensor	Automotive	Product Development
FT100 Small Shaft Torque Sensor	Automotive	Product Development
FPT100 Engine Torque Sensor	Automotive	Product Development
IG100 Internal Gauge Solid Axle Torque Sensor	Automotive	Product Development

<b>Torque Calibration Equipment</b>		
LC20 Torque Wrench Calibrator	General Industry	Calibration Testing
Reaction Torque Sensing Socket Wrench Extension	General Industry	Calibration Testing
Rotating Torque Sensing Socket Wrench Extension	General Industry	Calibration Testing
JT4000 Signal Conditioner and Readout	General Industry	Calibration Testing

<b>Load Cells</b>		
Non-Contact Torque Sensor	General Industry	Process Control
A-Series Slip Ring Torque Sensor	General Industry	Process Control
Reaction Torque Sensors	General Industry	Process Control
Custom Torque Sensors and Load Cells	General Industry	Process Control
OEM Strain Gauging Services	General Industry	Process Control



**TELEDYNE INSTRUMENTS**  
*Test Services*

A Teledyne Technologies Company

513 Mill Street • Marion, MA 02738  
 Phone: 508-748-0103 • Fax: 508-748-1093  
[www.teledynetest.com](http://www.teledynetest.com)