

# TMS 9250 Digital Telemetry Torque Measurement System

**Honeywell**



## SENSING AND CONTROL

**Precision.  
Performance.  
Flexibility.  
Simplicity.**

**All in one integrated digital  
telemetry torque package.**



# Precision. Performance. Flexibility. Simplicity.

**T**oday's torque measurement applications are more demanding than ever. You need a system that offers precision, performance, and flexibility, yet is simple to install and use.

**Honeywell TMS 9250 digital telemetry torque measurement system** represents an advanced generation of highly accurate and versatile rotary transformer sensors designed to provide non-contact torque measurement through digital telemetry on rotating parts.

The TMS 9250's full digital, wireless design **enables higher integrity** of the torque data capture through higher resolution, **higher sensitivity, faster response,** and **no mechanical interference.** The result is a more accurate indication of the actual torque being experienced plus an **increase in reliability.** This digital wireless telemetry system also supplies excitation power to the rotating sensor across the

gap and supports **virtually unlimited testing capabilities.**

Built to be extremely  **durable, yet light and compact in size,** the TMS 9250 is available in **many configurations** which can easily be adapted or **customized** to fit into a wide variety of test stands and applications. The TMS 9250's design includes physically integrated rotor electronics and telemetry into one element for rugged performance. And with no slip rings or bearings to create friction and mechanical wear to replace, the TMS 9250 saves time in the long term with **less routine maintenance** requirements.

The TMS 9250 features **simple installation, setup and operation.** Quick attach wiring connectors come standard with each system for rapid commissioning. Setup is **fully software driven,** providing the operator with easy control and **selectable output type** from standard voltage, current, and frequency output selections.

Furthermore, with the TMS 9250 software's **"on-the-fly"** edit capability, setup and operation of the rotating sensor can be controlled or adjusted by the user at any time, allowing for **real-time selectable** parameter changes to the system without interrupting the test or affecting the calibration.

#### Typical Applications include:

- Powertrain testing: engine, engine diagnostics, cold engine, transmission, driveshaft, & rear axle differential
- Dynamometer
- Brakes
- Wheel hub
- Drive wheels
- Continuous track, heavy equipment
- Oil & water pump testing
- Jet engine / turbine testing
- Wind power gearbox and torsion blade testing / propeller testing
- Turn up / turn down gear box testing
- Industrial motor / generator testing
- Auxiliary component efficiency testing



Model	DIN Flange	Integral Coupling Flange	SAE Flange	Large Capacity Flange	Custom Flange	Shaft-to-Shaft
<b>Features</b>	<ul style="list-style-type: none"> <li>• Digital telemetry, non-contact</li> <li>• 0.05 % full scale, total system accuracy</li> <li>• 0.1 % full scale, total system accuracy (Large Capacity Flange)</li> <li>• High torsional stiffness</li> <li>• Low rotating inertia</li> <li>• Multiple, field selectable, analog outputs</li> <li>• Scalable output "on the fly"</li> <li>• Full software set-up</li> </ul>		<ul style="list-style-type: none"> <li>• Compact, modular design, ideal for customization</li> <li>• Power supply adapter included (FCC compliant)</li> <li>• Shunt calibration standard</li> <li>• Remote shunt calibration option available</li> <li>• No potentiometers or dip switches</li> <li>• FCC and CE certified, meeting all EMC emission and susceptibility requirements</li> </ul>			

#### 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**, or visit **http://measurementsensors.honeywell.com**

#### Honeywell Sensing and Control

1985 Douglas Drive North  
Golden Valley, MN 55422  
sensing.honeywell.com

#### WARRANTY/REMEDY

Honeywell warrants goods of its manufacture as being free of defective materials and faulty workmanship. Honeywell's standard product warranty applies unless agreed to otherwise by Honeywell in writing; please refer to your order acknowledgement or consult your local sales office for specific warranty details. If warranted goods are returned to Honeywell during the period of coverage, Honeywell will repair or replace, at its option, without charge those items it finds defective. **The foregoing is buyer's sole remedy and is in lieu of all other warranties, expressed or implied, including those of merchantability and fitness for a particular purpose. In no event shall Honeywell be liable for consequential, special, or indirect damages.**

While we provide application assistance personally, through our literature and the Honeywell web site, it is up to the customer to determine the suitability of the product in the application. Specifications may change without notice. The information we supply is believed to be accurate and reliable as of this printing. However, we assume no responsibility for its use.

# Honeywell