



ROTARY TORQUE TRANSDUCERS



Non-contact digital technology

High resolution & accuracy

Torque ranges from 10mNm up to 13,000Nm

USB, RS232 and CANbus outputs

WIRELESS LOAD MEASUREMENT

Internal Memory for 280 hours data

Ranges from 1 to 50 Tonnes

Wireless, easy to install/remove

Transmits data at up to a distance of 100m & up to 10 times a second



View the full range and request your quotation at www.sensors.co.uk/inst0917

ELECTRIC VEHICLE PIONEER FAVOURS WIRELESS TEST RIGS



A company that has been at the forefront of electric vehicle design and development for over 20 years has supplied a test rig based on a wireless torque sensor to a world renowned UK University automotive research facility.

Based in Fareham, Hants, Tirius has been built on pioneering work on an all-electric single seat racing car.

Head of Tirius, Dr Tim Allen, explains: "We are helping the university's research team develop electric drive train technology typically found in 'A-Class' cars, for example urban runarounds and small family hatchbacks. We are currently looking at permanent magnet traction motors in a

number of sizes and configurations, with a view to optimising electronic control."

The research involves running each motor on a test rig which uses a TorqSense, as made by Sensor Technology in Banbury, through its full output range and mapping its torque output.

"We are pleased to promote TorqSense," says Dr Allen. "We have been using their kit for many years."

"TorqSense is a good choice for this work because its non-contact operation allows rapid set-up during the profile building test runs. It also means extra drag forces are not added to the system, so measurements represent true values and calculations are therefore straightforward."

Find out more about Sensor Technology at **Stand F9** at Sensors & Instrumentation 2017.

Sensor Technology
www.sensors.co.uk
 T: 01869 238400

Clinical Connections

- High quality circular connectors for medical applications with a variety of fast and secure locking systems.
- Easy handling by means of mechanical and colour coding.
- Standard connectors and bespoke custom solutions.
- Premium materials including plastics in RAL 9002 and other colours with gold contacts.

