

# New Bluetooth module for TorqSense non-contact torque sensor

**M** [www.machinebuilding.net/p/p8165.htm](http://www.machinebuilding.net/p/p8165.htm)

A **Bluetooth interface and Android app** have been developed by Sensor Technology for its **TorqSense non-contact torque sensor**. TorqSense is unusual in that it does not have to be physically connected to the shaft on which torque is being measured, rather **Surface Acoustic Wave technology** avoids the need for slip rings or delicate wiring.

Bluetooth wireless technology enables data to be transmitted over short distances and, like TorqSense, Bluetooth uses radio waves. It is commonly found in consumer devices and is increasingly being favoured as a wireless alternative to RS-232 data cables, particularly for connecting several devices simultaneously.



Sensor Technology's new Bluetooth module brings wireless flexibility to torque measurement. The module simply plugs into the TorqSense's existing 15-way D connector. As well as transmitting the torque signal, the Bluetooth connection enables the transducer to be powered through the interface and also provides a USB output for connection to a PC, which allows a full version of the TorqView software to be used.

Having a Bluetooth-enabled TorqSense transducer removes the need for cable runs from the sensing head to the receiver. This can make system layout easier and even allow torque to be measured in real time in situations where it was previously impossible.

Significantly, the new module also enables monitoring of the torque signal on any device that has Bluetooth capabilities. The Android app provides for real-time viewing of the current and peak values of torque, speed and temperature of a TorqSense reading via a smartphone or tablet computer, so the engineer benefits from instant access to information without the need to set up a computer.

Go to [www.sensors.co.uk](http://www.sensors.co.uk) for more information about the **TorqSense Bluetooth interface and Android app**.

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