

## **New Burster Dual-Range Torque Sensor With Usb Interface**

ASSTech has available the latest dual-range torque sensor from German company Burster, that sets new standards for measuring static and rotational torques in laboratory testing, production and quality assurance.

The powerful features of the 8661 sensor can be fully exploited especially in the fields of industrial automation, engine testing, medical technology and electrical engineering. The instrument can be used, as example, not only for measuring constant-load torques and starting and breakaway torques, but also for detecting transient values such as load spikes. No time is wasted in changing sensors or readjusting the test bench for a new sensor.

The new 8661 covers a wide load range. By using different factors for ranges 0...5 Nm to 0...200 Nm, the user can measure loads with a linearity deviation of less than 0.05% FS. With the optional USB interface and convenient DigVision PC software, the sensor is ideal for both stationary and mobile measuring tasks. Depending on the model and software version, it is possible to visualize, log and assess torque, speed and angle measurements and computed mechanical power on up to 32 measuring channels. The powerful formula editor allows for mathematical operations to calculate numerous variables, including values such as efficiency and smoothing averages.

The plug & measure software design with auto-scaling functions enables an ultra fast set-up phase. Results calculated using the mathematical formula editor can be displayed and classified numerically or graphically as required. Via the supplied driver package, the sensor can be easily integrated in LabView or the user's own software. Via the speed and angle measuring option (angle resolution to 0.09%, extra process-relevant reading in addition to torque can be recorded. The dual-range model also includes the built-in LED status indicator, which can indicate numerous operating states as well as the currently active measuring range.

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