

1650B

Clamp On Rotary Torque Transducer

- No Machinery Modifications
- No Critical Alignments
- Non Contact Measurement
- Pre-Calibrated Sensor



The model 1650B sensor is ideal for obtaining torque from machinery where little downtime can be afforded. This line of sensors does not require modification of existing equipment prior to installation. Ready to use pre-calibrated units convert the power I/O shafts into torque transducers in less than 15 minutes. Use these sensors where there is little or no extra time available to install strain gauges. Use these sensors where you need higher accuracy measurements than can be obtained by shunt calibration of strain gauges.

The "Quick Torque" sensors are ideal for those applications involving repetitive testing of identical systems such as:

- Small boat propellers
- Motor driven pumps
- Jack shafts in paper mills

The Model 1650 System consists of a patented dual bending beam sensor mounted to a pair of clamp rings. Each clamp ring has an inner blunt knife edge which aids in defining a specific shaft length. The sensor monitors any twisting due to torque over this length. Pre-assembled tooling/spacers act as sensor counter balance components and also locate parts for easy assembly on the shaft. The built-in RF transmitter signal/conditioner eliminates the need for any critical alignment between the rotating components and the stationary antenna loop. The sealed sensor will withstand water, oil, dirt, solvents, heat, and cold. The sensor length is 9 inches with a maximum radial clearance of 2.5 inches.