Distance Compensated

Advanced Active-3 Torque Sensors
Non-Contact, Plug-and-Play, Harsh Operating Conditions

Measure Torque instantly: Place a cigar-sized probe from one side onto the Test-Object (like: gearbox shaft), push the initialisation button and Torque measurements can start right away.

High signal resolution equivalent to 14 bits, high system internal signal bandwidth equivalent to 10,000 samples per second, and high measurement linearity of 0.2% of FS (Full Scale). The Active-3 Torque Sensor is ideal for industrial, motor-sport, and power-tool applications.

Sensing Module Design:

TAM offers “standard” and custom specific Sensing Module designs to meet a wide range of application specific requirements. The Sensing Module is connected to the Sensor Electronics by a cable that can be up to 2.5 meters long. Inside the Sensing Module is the round shaped Sensing Element with a minimum diameter of 20 mm. The face of the Sensing Module is concave to sit closer to the surface of the Test-Object (like gearbox shaft). The Sensing Module is not touching the Test-Object and can be placed up-to 3 mm away from it (maximum air-gap is 3 mm).

The “zero” to +5 Volt analogue signal output of the A3 Sensor System provides very linear and low hysteresis Torque measurements.

Insensitive to air gap changes
- No shaft processing required
- No damage due to over-torque
- Does not age
- Air gap can be up to 3 mm
- Any Ferro-magnetic material
- Insensitive to oil, dirt, paint, etc.
- Analogue Signal (5 Volt)
- Wide temperature range
- Single voltage supply
- Windows-PC USB Interface

Contact Us:
Visit our website media section
www.tam-sensors.com/media

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