

Torque Detection System

Planetary Gearboxes



Dinamic Oil's new *Torque Detection System* provides real-time torque feedback from within the gearbox, thus eliminating the uncertainties and errors inherent to pressure-based or external load cell designs. Strategically placed strain gauges inside an intermediate flange offer accurate and repeatable results while still maintaining the same overall dimensions as a standard gearbox.

Features:

- Output Signal: 4-20 mA
- Direction Sensing: 4-12 mA Clockwise, 12-20 mA Counterclockwise
- External 'zeroing' circuit available
- IP66 Rating

Advantages:

- System can be installed on existing Dinamic Oil gearboxes depending on the size and composition.
- Output signal can be manipulated to eliminate errors caused by material elasticity or temperature.
- Output signal is not affected by axial or radial loads subjected to the gearbox output shaft.
- System preconfigured to work with WiFi, Modbus or CANopen.

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