

Dental Handpiece Torque Check

Torque Transducer

Industry: Medical and Healthcare

Summary

Customer Need / Challenge

A dental handpiece manufacturer wants to improve their instruments. They want to test the torque of their electrical dental handpiece tools in order to measure its overall efficiency.

Interface Solution

Interfaces T2 Ultra Precision Shaft Style Rotary Torque Transducer can be installed in the dental handpiece, connecting to the dental handpiece's motor. Torsion measurements are graphed and logged using the SI-USB4 4 Channel USB Interface Module, indicating any unusual fluctuations.

Results

The dental handpiece manufacturer was able to successfully measure the torque of their electrical dental instruments.

Materials

- T2 Ultra Precision Shaft Style Rotary Torque Transducer
- SI-USB4 4 Channel USB Interface Module
- Customer PC or Laptop

How It Works

1. The T2 Ultra Precision Shaft Style Rotary Torque Transducer is installed in the electric dental handpiece tool.
2. Torsion measurements are sent to the SI-USB4 4 Channel USB Interface Module.
3. Results can be recorded, graphed, and logged when connected to the customer's PC laptop or computer.

