SENGENUITY
Sensor Engines by Vectron International

Rotating Bench Test

Description

The Neckarbischofsheim facility has taken a rotating test bench into operation and conducted extensive tests in the previous months. Thereby, several Sensor Modules designed for industrial applications in rotating and reciprocating machinery have been successfully vetted under different conditions. Based on the results achieved with the rotating test bench important improvements to hardware as well as software of the TempTrackr® system were achieved and implemented. Ongoing, the test bench will be used for near to operation condition tests based on customer and engineering requests.

The test bench is a customized development which has been built upon SenGenuity's request. It is designed to perfectly fit our Sensor Modules and to support different test setups.

It offers the possibility to conduct tests in an open, partly and completely shielded environment. Additional, Sensor Modules and Antennas can be fixed in various locations to test ideal system setups. The rotation speed can be chosen continuously variable and also individual rotation profiles can be programmed to simulate specific operation behaviors of applications, e.g. the startup of an engine.

Together with the software update including settings dedicated for fast rotating applications not only the measurements but also the illustration is easier, faster and more elaborate. With an additional worksheet provided by SenGenuity further illustrations especially of long test runs can be easily done.

SenGenuity's wireless and passive temperature sensors are ideally suited for rotating and reciprocating applications as they offer the possibility to measure directly inside machinery at endangered hot spots without the need of maintenance or battery changes. The results of the rotating test bench as well as several live tests have shown not only good and repeatable outcomes. Long runs have also proven reliability of data and components.

For further information please contact sengenuity@sengenuity.com