

# Monitor pressure on tires during dynamometer testing

## APPLICATION C191

Type of Company: [Automobile Manufacturer](#)

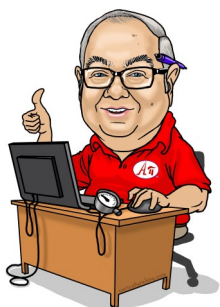
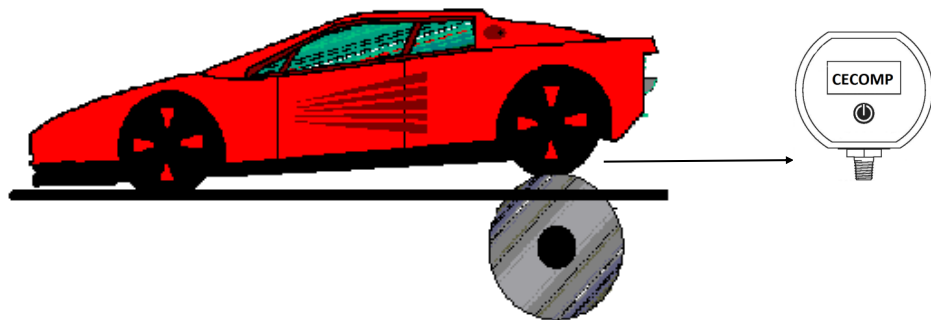
Location: [Michigan](#)

A chassis dynamometer, sometimes referred to as a rolling road, measures power delivered to the surface of the "drive roller" by the drive wheels. Chassis dynamometers can be fixed or portable, and can do much more than display RPM, horsepower, and torque. Chassis dynamometer test cells often integrate emissions sampling and measurement, engine speed and load control, data acquisition, and safety monitoring into a complete test cell system.



## The Engineering Issue

- The engineer is using the chassis dynamometer to perform thermal profiling and reliability temperature testing on the tires while testing other performance aspects of the vehicle.
- The test cell is subjected to extreme temperatures and the engineer needs a rugged and accurate tire pressure gauge to monitor the tire pressure whenever the tests calls for stoppages/pauses in the procedure.



The engineer used a Cecomp DPG1000B. The DPG1000B gives an accurate visual indication of the tire pressure, plus the ruggedness of the gauge ensures that calibration is maintained.

**Problem. Solved.**