

Title:

Logging the data received from the dynamometer

Word Count:

464

Summary:

On old-fashioned dynamometers, the operator or the observer had to manually record the simulta

Keywords:

dynamometers, dyna, engine dynamometers

Article Body:

On old-fashioned dynamometers, the operator or the observer had to manually record the simulta

Nowadays, most dynamometers replace the observer's notes with computerized devices that acquir  
Because of the very loud noise generated by the dynamometer and the engine, a performance test

A reliable computerized data acquisition system is considered to be indispensable today among  
An appropriate computerized data acquisition system must have a very fast sampling rate. For o  
Therefore, a 200 Hz logging rate for your data acquisition system should do the trick, as well  
However, if you sample at only 50Hz, you should consider that you are recording a single torqu

Averaging the data is a very important step in data acquisition.

At this point, while experienced dynamometer operators see an identical power curve in both gr  
The reason why the ability to average and dampen the data is essential for the acquisition sys

For instance, at 100Hz you're getting 1000 lines of data for even a ten-second dynamometer pul

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