DYNATEK

DYNA DATALOG ACCELEROMETER

MODEL #DA4G-1
0G TO 4G RANGE

The DA4G-1 accelerometer has been designed to be used in conjunction with the DYNA DATALOG data recording computer. The DA4G-1 accurately tracks vehicle acceleration on one axis (one direction, usually forward) during a run. The DA4G-1 is useful in determining what chassis combination pushes the vehicle forward the hardest by measuring "G" forces during these events. This information is critical to the determination of the proper balance between tire and clutch slip for best vehicle acceleration.

INSTALLATION

Using the included adhesive backed velcro, mount the DA4G-1 in a convenient location near your DATALOG computer. Mount the DA4G-1 such that the printed label is facing the front of the vehicle. It doesn't matter if the box is horizontal or vertical or otherwise oriented as long as the label is in a vertical plane facing forward.

The DA4G-1 does not have to be soft mounted on most vehicles. Although hard mounting to the frame is not recommended, mounting on any inner body sheet metal should be alright.

Plug the DA4G-1 into any available analog channel input on the DATALOG. The DA4G-1 output will show up on the DATALOG graph for that channel.

TESTING THE DA4G-1

If you are using the PC Download option, you can test your Accelerometer using the Real Time Monitor. With the Accelerometer label in a vertical plane, the output should be 1 volt. With the label facing up the output should register one 'G' (two volt output).

If you are using a printer as your output device: With the DA4G-1 mounted in the vehicle, perform a DATALOG system test with the motor running without moving the vehicle. With the vehicle stationary the DA4G-1 should output 1 volt. The DA4G-1 will put out an additional volt for each "G" of acceleration. If you hold the DA4G-1 with the label facing up while doing a system test, the DA4G-1 will record 1 "G" due to gravity. This will be two volts on the graph, 1 volt for the zero output plus 1 volt per "G".

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