

Noise Reduction During Impact Force Testing

To minimize noise during high speed data acquisition, we recommend the following:

1. Turn-off any motors, pumps, fans within a 10 ft. radius of the test
2. Put your cell phones in airplane mode or turn them off
3. Plug-in the DI-1000UHS-10K power supply into an outlet that is not shared with any other power source or device. e.g. your computer/laptop's power adapter
4. Add an averaging filter (set number of points to say 1/1000th of the data acquisition rate. E.g. if acquiring data at 10 KHz, add a 100 point averaging filter) to see clean values in addition to seeing the peak forces in the raw data.