

Acquisition and Data Logging of Vibration signals on CompactRIO system

REQUIREMENTS:

Application Software: LabVIEW Professional Development System Driver Software: NI-RIO

Remote acquisition and data logging can be easily be done on CompactRIO system. This VIs demonstrate the acquisition and data logging of Vibration signals with the NI 9233 C-series DSA module.

This example is originally from the example VIs done by Anant Jhawar and the CompactRIO shipping example. cRIO-9004 (CompactRIO embedded controller), cRIO-9101 (cRIO 4 slots FPGA backplane), NI 9233 (4 Ch, 24 bits, IEPE enable DSA module) are being used for this example VI. The modification can be made to fit the variety of CompactRIO hardware.

This VIs are written and tested under LabVIEW 8.2, LabVIEW Real-Time 8.2 and LabVIEW FPGA 8.2 modules from National Instruments.

Other requirements:

LabVIEW 8.2, LabVIEW Real-Time 8.2, LabVIEW FPGA 8.2, cRIO-9004, cRIO-9101, NI 9233, DSA demo box

