IWS - INTEGRATED WHEEL SET SYSTEM

The IWS is a PXI based data acquisition system that is designed to receive 16 or 32 strain gage inputs from 1 or 2 train car wheel sets. The inputs are combined using algorithms to provide outputs that are a measure of various combinations of vertical, lateral, and longitudinal forces on the wheels.

SYSTEM HARDWARE

- Designed for use on Windows XP operating system
- Communicates with existing system Wyse terminal
- Compiles existing Fortran files and links with C++ driver

SYSTEM SOFTWARE

- PXI based data acquisition
- Custom I/O connections that works with existing cabling
- Multimeter monitoring access
- Connections for separate DAS computer

SYSTEM SPECIFICATIONS

- INPUT CHANNELS: 32 A/D and 32 D/A
- OUTPUT CHANNELS: 32 15Hz Filtered and 32 Unfiltered
- CUSTOM CASE : 19" Rack Mount
- POWER SUPPLY: +/- 15V

SYSTEM TEST FUNCTIONS

- 1 or 2 Wheel Set functional test
- System self test
- Integrated system calibration

COMPLETE NETWORKS, INC.

Integration Services

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