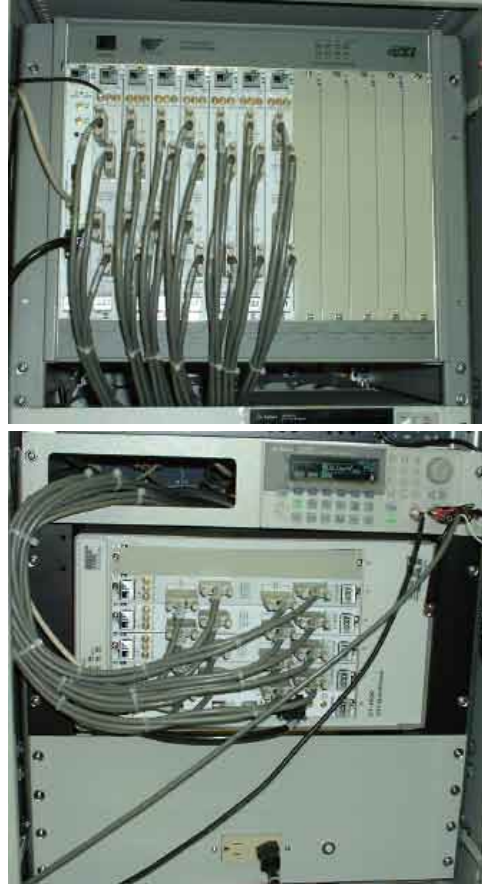


LMDAS - DATA ACQUISITION SYSTEM



The LMDAS is a single bay VXI based data acquisition system designed to provide measurement capabilities for 48 thermocouples, 64 voltage measurements, 56 strain gage channels and a tachometer channel. Sensor measurements are acquired and stored in real time. The strain gage and voltage channels can be sampled at rates up to 40KHz. LMDAS allows essential data output required by the user to be quickly compiled, edited and exported..

SYSTEM HARDWARE

- VXI based data acquisition system
- Signal conditioning
- Control and calibration using Ethernet bus

SYSTEM SOFTWARE

- System setup and configuration
- Turnkey software for data measurement, display and analysis
- Automated Calibration of the signal conditioning and ADC modules.
- Works on Windows XP operating system

SYSTEM SPECIFICATIONS

- Input Channels:
- Voltage 64
- Strain Gage 56 (expandable to 64)
- Thermocouple 48
- Tachometer 1

SYSTEM FUNCTIONS

- Data Acquisition and analysis
- Signal conditioning and analog to digital conversion
- Calibration of system components
- User selectable sampling from 1KHz to 40KHz

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