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Find the *HBM / LDS Nicolet Vision XP* at our website: ***Click HERE***

Vision XP Portable Data Acquisition System



The LDS-Nicolet Vision XP data acquisition system combines the best elements of DAT/AIT recorders, oscillographs and oscilloscopes in a new vision of portable data acquisition. Like an oscillograph, Vision XP has real-time scrolling, triggered or XY displays. And like a tape recorder, it has continuous, gap-free data storage over very long recording times. Vision can save 16 channels of 16-bit data continuously to a 72 GB hard drive at 100 kS/s per channel.

This is unprecedented performance in a portable, inexpensive package. Plus Vision XP has many features you'd expect in a more expensive research system, like digital filtering, real-time measurements and full network access via the integrated Ethernet or Wireless LAN connection.

Use VisionNet Plus software for remote control of up to 4 synchronized Vision XP units, including shared triggers. Set up your Vision XP in your lab, then control it from your desktop in another building, city, or even over the Internet.

Up to 16 Analog Channels

Vision XP's universal amplifiers provide 500 V isolation, with adapters for thermocouple, shunt, accelerometer and strain gage inputs. Sixteen-bit digitizers on every channel assure the highest dynamic range with no crosstalk or aggregate rate limit. A sound channel records your comments and 8 digital inputs record status bits, frequency or RPM.

Ultra Long Memory

Vision XP streams data to an internal 72 GB hard disk. With eight channels at 100 kS/s each, record time reaches an incredible 12 hours. Or record 16 channels at 100 S/s for over eight months! The full-disk pretrigger feature always retains the most recent time history so you can see what conditions led up to a failure, even hours before the event.

One-Touch Recording and Playback

Acquire data immediately with controls as simple as a cassette recorder. Use zoom, cursors and the jog/shuttle knob to view details and make measurements. At the touch of a button, SEARCH instantly locates events of interest without the delays of tape winding. Plot to any printer with a keystroke, including LDS-Nicolet's AR-200 stripchart writer.

Analysis Onboard or on Your PC

In addition to cursor measurements, Vision XP provides over a dozen common calculations such as RMS, max/min, average and duty cycle. Calculations can be made while recording or post-run. Vision XP also includes Wireless LAN and Ethernet interfaces for direct connection to your network or printers. LDS-Nicolet's optional PC software provides sophisticated data analysis, reporting and storage in popular file formats such as MatLab®, DADiSP™, nCode and SDF.

Vision XP Features

- 8 or 16 channels of acquisition
- 100 kS/s, 16-bit A/D's on each channel
- 20 kHz analog bandwidth
- Wide range of signal conditioners for bridge, accel, thermocouple/RTD, and 480 Vrms inputs
- Rugged, lightweight enclosure weighs only 20 lbs and operates up to 20 g's
- 100 base-T Ethernet and Wireless LAN connection to external devices
- Synchronize up to 4 Visions (64 channels) using VisionNet Plus

Printer Friendly

PRODUCT BROCHURES:

- Vision XP (617 KB)

SOFTWARE

- DataViewer
- FlexPro 6.0
- Vision Net and Vision Net Plus
- ProView

RELATED PRODUCTS

- Odyssey XE
- ViewGraf XP
- DAstarNet XP
- DAstar XP

ACCESSORIES

- Probes
- Vision Dongles (234 KB)

CE CERTIFICATION

- Vision CE Certification (20 KB)

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