

Network Digital Input Unit

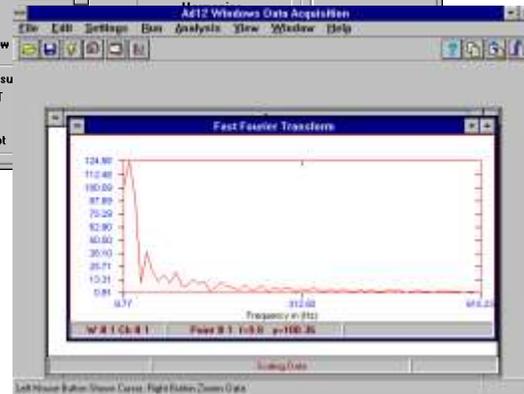
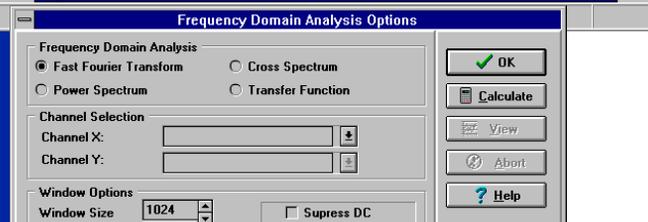
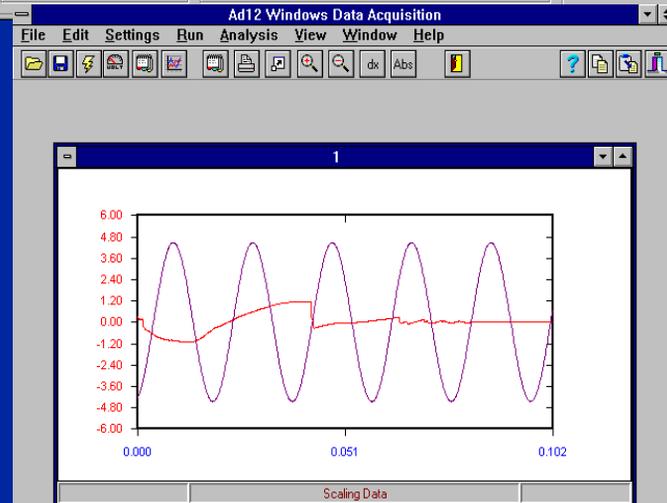
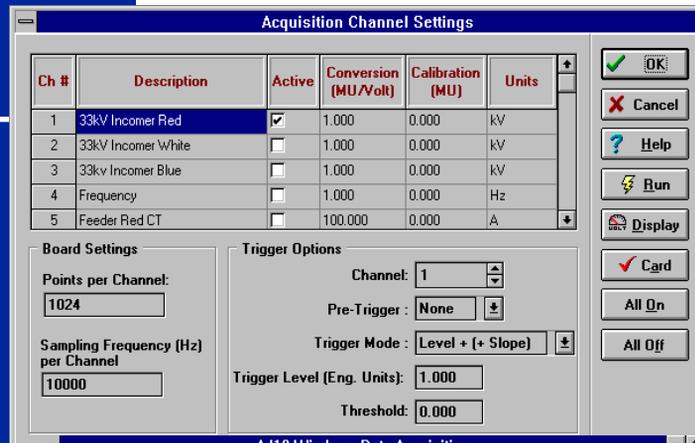
NET DIU24 is a powerful, easy to use embedded data acquisition and signal conditioning system which can be used to acquire data locally and transmit it over a network to a central unit.

In systems where high performance distributed data collection is required, the **NET AIU24** records data from up to 24 input signals. This data can be stored locally on non volatile memory for subsequent retrieval, or transmitted over an industry standard Ethernet link to a central data collection system.

The system is modular and has been designed for easy installation and repair.

NET AIU24 is an essential tool for any industrial, scientific or engineering measurement. The system can be used as a cost effective replacement for transient recorders, memory scopes and paper recorders.

NET AIU24 is locally developed and supported and can be customized to suit user applications.



Features Overview

Acquisition System

High reliability embedded processor (RCM2000)

- ✓ Up to 24 simultaneous input channels
- ✓ Data resolution 12 bits (1 in 4096)
- ✓ Input voltage range includes 0-10volts, ±10 volts and 4-20mA
- ✓ Linearity better than 0.1%
- ✓ Common Mode Isolation 2500V rms
- ✓ Acquisition can be saved locally to non-volatile flash memory and downloaded in the event of a communications failure
- ✓ Memory Capacity 8MB expandable to 256MB
- ✓ Up to 4 relay outputs for control of external equipment.

Physical Interface

- ✓ Screw mount or DIN rail mount
- ✓ Screw terminal or cage clamp connectors
- ✓ Channels are grouped into sets of 8. Each group uses a plug-in connector for easy diagnostics and module replacement

Power Supply

- ✓ 12V DC @ 230mA

Network Interface

- ✓ Standard RJ45 Ethernet Connector
- ✓ User assignable network ID
- ✓ Standard UDP or FTP protocol can be used
- ✓ Multiple units can be connected to one central data collector
- ✓ Remote setup and diagnostics

Optional User Interface

- ✓ Up to 4 line / 40 characters
- ✓ 4x4 keypad
- ✓ Serial / GSM / GPRS



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