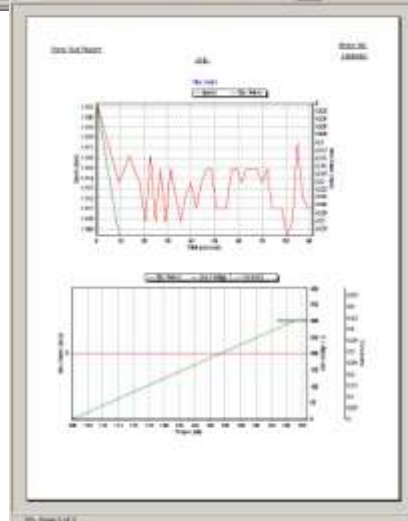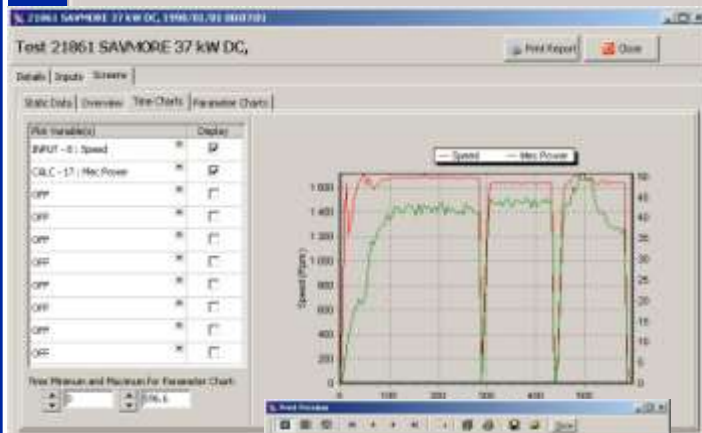# NET XIU24 Network Input Unit

**NET XIU24** 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 station.

In systems where high performance distributed data collection is required, the NET XIU24 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 rapid installation and repair.

**NET XIU24** is an essential tool for any industrial, scientific or engineering measurement. The system can be used for condition monitoring, process logging and facilities management.

**NET XIU24** is developed and supported in South Africa and can be customized to suit user applications.

**TLC ENGINEERING SOLUTIONS is a local developer of software applications for industry**

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# Features  Overview

## Acquisition System

✓High reliability embedded processor (RCM2000)

✓Up to 24 simultaneous input channels

✓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 (110V / 2A) for control of external equipment.

## Analog Channel Inputs

✓Data resolution 12 bits (1 in 4096)
✓Input voltage range includes 0-10volts,
✓   ±10 volts and 4-20mA
✓Linearity better than 0.1%

## Digital Channel Inputs

✓Input range 0-250V AC/DC

## 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

Industry Standard Ethernet interface with RJ45 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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