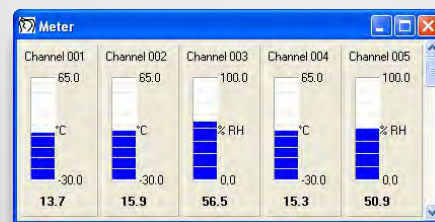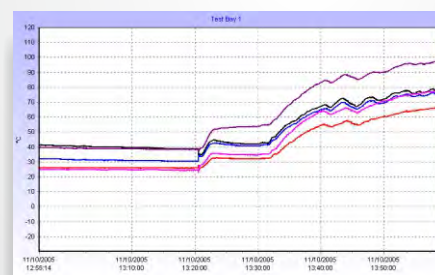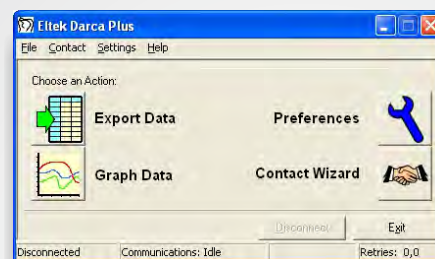**omni INSTRUMENTS**

Downloading and Remote Control Application
for Eltek dataloggers

Darca provides powerful but simple-to-use tools for configuring and metering Squirrel channels, changing Squirrel settings, downloading data and analysing it either graphically or statistically. Connection to the Squirrel can be made by a direct serial link, through a modem (standard or GSM), a LAN or via USB.

Three versions are available: Darca Lite with standard features, Darca Plus with enhanced features including modem support and graphing and Darca Secure for full data protection.

Key Features

- All operational control of the Squirrel may be performed using the PC

- Data can be exported into text format for analysis in a spreadsheet package

- Intelligent storage of Squirrel configuration provides fast connection to the Squirrel

- Squirrel channels may be scaled into appropriate engineering units

- Copy and Paste tools in Channel Setup for simple and fast channel configuration

- Alarm feature warns if any channel inputs are outside 'safe' limits

- Squirrel configuration may be saved as a Setup File and then applied to other Squirrels

- Contact Squirrels on a Squirrel Network

- User-friendly interface for highly intuitive operation

- Multiple windows may be displayed simultaneously to provide total control over Channel Setup and Metering

- Displays all selected channels on screen simultaneously

- Contact Wizard guides you through the stages of contacting the Squirrel

- 'Shed' utility allows scheduled, automated downloading of data from the Squirrel

- Comprehensive help for first time or experienced users

- Transmitter setup for the Gen II Telemetry System

Darca Lite

- Windows XP / Windows 7 compatible
- Baud rate selectable between 9600 and 115200 baud
- Password protection for tamper-proof operation
- Configurable refresh times of Meter Window and Squirrel status
- Memory Size Calculator optimises download time
- Connection to Squirrel via Serial Port or USB
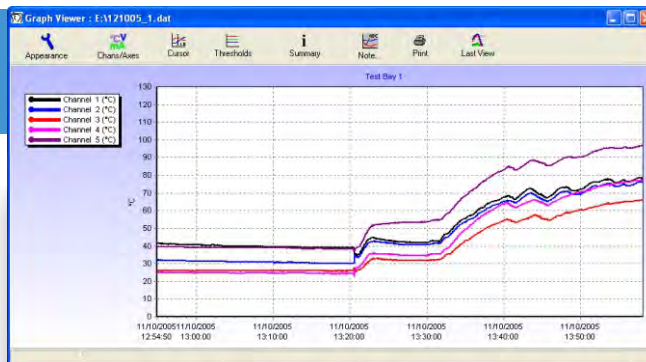- Printer output

Darca Plus

- as Darca Lite
- Connection to Squirrel via GSM or ethernet
- Powerful graphing tools display real-time or historical data
  - 3D plots, line, event and windrose
  - Plot colour and axis configuration can be saved
  - Text comments can be added to points of interest
- Summary window displays data and statistical information
- Configure Gen II transmitters and map transmitters to Squirrel channels

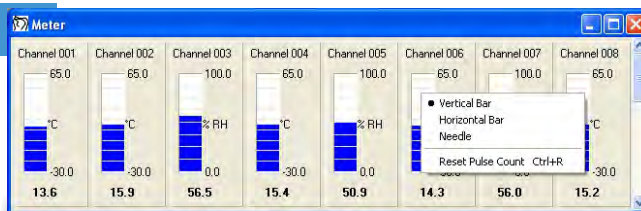## Darca Plus
Graphing Tools and analysis

- Summary Window displays stats of current view

- Configure Graph Window: legend, gridlines and 3D orientation
- Cursor control to view raw data of a point on the graph
- Plot channel thresholds
- Powerful zooming tool
- Real Time graphing

Real Time Metering

- View metered channels as Vertical Bar, Horizontal Bar or Needle
- Intelligent resizing
- Channels in alarm are displayed in red
- Grouping of channels

Squirrel Settings / Status

- Access Squirrel Settings and view the Squirrel Status
- Delay Generator and Memory Size Calculator tools assist in setting the Start and Stop time
- Squirrel Status refreshed regularly
- Colour coding draws attention to important parameters

Transmitter Setup

- Map transmitters to Squirrel channels
- Configure transmitter settings
- Meter transmitter inputs
- Calibrate humidity sensors

CE

For pricing or any further information, please contact Omni Instruments Ltd.

Measurement and data acquisition solutions