



dataTaker®

Data Acquisition and Data Logging Systems

www.datataker.com

DeLogger™ 4 & DeLogger™ 4 Pro Software

- Graphical Software for dataTaker Data Loggers
- Display and Analyse Real Time or Historical Data
- Ethernet Support - TCP/IP
- Remote Monitoring & Control (Pro) SCADA
- Trend Plot, Mimic and Spreadsheet Views
- Graphical or Text Programming
- Windows XP, 2000, NT and 98 Compatible

Visual Software Packages for dataTakers

DataTaker's software packages, DeLogger4 and DeLogger4 Pro, provide you with a complete software solution. These packages make it easy to program simple or complex data acquisition and data logging projects for the DT50, DT500, DT600 and DT800 range of dataTaker data loggers.

DeLogger4

DeLogger4 software is included with the DT50, DT500, DT600 and DT800 range of dataTakers, providing you with a powerful, yet easy-to-use tool for programming and supervising a dataTaker. Use the graphical interface to set-up your system. DeLogger4 allows you to monitor sensors and alarms while logging data. The software package has the capability to display real time or logged data in the following views:

- Charts and trend plots with zoom and multi-variable capabilities
- Mimics (analog meters only)
- Tabular and raw text data for simple reporting
- Spreadsheet capabilities similar to Microsoft's Excel

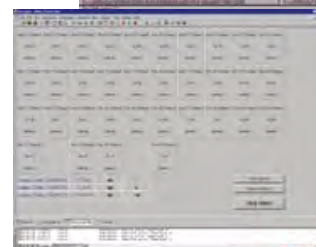
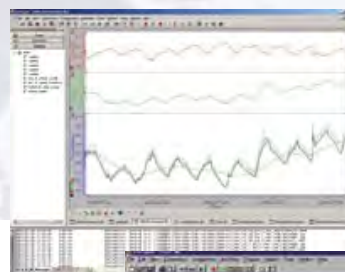
Data can also be exported in text based formats. Using DeLogger4 provides you with a complete solution for monitoring, logging, displaying and analysing data. DeLogger4 can be upgraded to DeLogger4 Pro.

DeLogger4 Pro

DeLogger4 Pro is the advanced level, having additional functionality to many of the basic functions including:

- PSTN, GSM and Radio modem connection to remote dataTakers
- Automated and Scheduled Management of multiple local or remote dataTaker's
- Strong reporting capabilities (including web publishing and email)
- Sophisticated database for comprehensive and reliable data management
- Additional mimic display and control objects
- DDE and OPC (OLE for Process Control) Server capability
- Additional charting options via the Analyse Window
- Printed Manual

DeLogger4 Pro provides you with powerful and easy-to-use features for small or large systems based around dataTaker data loggers.



Specifications



Specifications common to DeLogger4 and DeLogger4 Pro

DeLogger4 is the base version of DeLogger4 Pro, which is why the two software packages share many features and capabilities.

Visual Software

DeLogger4 is Windows based software that allows you to program and supervise dataTakers via RS232 or Ethernet connections without using the dataTaker's command language. Instead of typing commands, you build dataTaker programs by clicking on icons and selecting from menus in the program builder windows.

Project Oriented

DeLogger4 uses the "project" concept. A project contains all the information related to a particular dataTaker application. For example, a project may include:

- Several dataTaker programs (for quick re-programming when you need the dataTaker to do something different)
- Two chart windows (for viewing today's data in real time along with a replay of yesterday's logged data)
- A mimic window containing virtual meters (for easy identification of over-range conditions).

When you launch a specific project, you have everything at hand, as it was the last time you used it, with access to the project's historical data.

Graphical Program Builder

The DeLogger4 Program Builder provides an intuitive way to set-up your dataTaker. Either use icons or select options from drop-down menus to construct a dataTaker program.



DeLogger4's Program Builder supports:

- dataTaker data acquisition schedules and alarm schedules
- Signal types accepted by the dataTaker
- Spans, polynomials and calculations

Sensor Wiring Help When You Need It

The Program Builder illustrates sensor wiring options to provide clear and simple guidance on connecting sensors to each model of dataTaker.

Data Viewing Windows

DeLogger4 provides numerous options for viewing gathered data in real time or from historic records. Multiple data views may be visible and updated simultaneously. Views can also be conveniently printed.



Chart Windows

You can use a DeLogger4 Chart Window much the same as you would use a chart recorder. But DeLogger4 has additional charting features. For example, you can:

- Replay data that has scrolled out of sight in a scroll chart
- Customise chart attributes such as labels, trace colour and thickness, axis scale and limits and axis ticks
- View up to 12 channels per chart using up to 6 value axis
- Powerful zoom, scroll and axis adjustment
- Additional features available in DeLogger4 Pro

Chart Windows are by far the most popular means of presenting data as they are simple to use and are an effective way to identify "events" in your data.

Mimic Windows

Mimic Windows display data as user-definable virtual instruments:

- DeLogger4 provides definable Needle meters
- Support user background images (.BMP or .WMF formats)
- Context sensitive pop-up menus on right mouse button
- Additional features available in DeLogger4 Pro

Form Windows

Form Windows display data from selected channels of any connected dataTaker or valid data source in a formatted grid (similar to a spreadsheet: columns, rows & column headers)

- Display data site name, channel description and label, the value and its time stamp for every reading; one row per channel
- Display each channel's highest and lowest value for the current logging session
- Trend indicator for each reading shows whether value is greater than or less than previous reading

Text (Raw Data) Windows

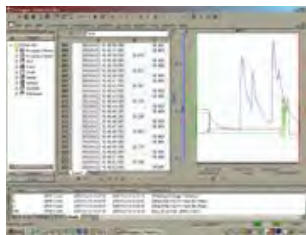
Text Windows emulate the basic functionality of communications terminal software:

- Direct command entry for creating and editing dataTaker programs
- Direct program downloading to dataTakers
- Display real time and logged data

Spreadsheet Window

Provides full spreadsheet capability with inter-cell calculations and data manipulation and charting. Uses data from dataTaker Replay files or imported data. Can be used as a simple reporting tool or for exporting formatted data to other packages such as Microsoft's Excel.

- Additional features available in DeLogger4 Pro



Additional DeLogger4 Pro Features

DeLogger4 Pro has additional features that are principally designed to support a network of remote dataTakers:

Remote Support

For communication with dataTakers at remote sites, DeLogger4 Pro supports:

- Modems including GSM, radio and satellite
- Modem Manager with the DT50, DT500 & DT600 range of dataTakers
- Alarms from remote sites can trigger actions and reporting at the host
- Manual and automatic connection to remote sites
- Incoming alarm messages are saved in the database

Data Sites Simplify Your Work

DeLogger4 Pro connects to and communicates with "data sites." A data site can be a single dataTaker, a large network of dataTakers or even a set of logged data from a data file or database. A data site can be in the same room as the one in which you are running DeLogger4 Pro, or on the other side of the world.

Automation

DeLogger4 Pro's user definable Actions offer an inbuilt scripting capability. Actions (tasks or processes) can run based on local or remote alarms, Mimic and Form screen controls, by the included Event Scheduler, called by other Actions or manually. Actions can be as simple as running

a sound file on alarm condition, or as complex as sequentially dialing a number of sites, downloading the data and preparing a plot or report of the logged data.

Event Scheduling

DeLogger4 Pro's scheduler performs user defined tasks (Actions) at predetermined times and frequencies. For example, you can tell DeLogger4 Pro to dial the dataTakers at selected data sites and unload their data at 11:00pm every day.

Enhanced Alarm functionality

DeLogger4 Pro can use incoming dataTaker Alarms to trigger Actions or forward incoming dataTaker alarms to the default e-mail system. Individual Alarms can be sent (using a MAPI compliant mail client) by e-mail to alert field staff of site conditions and problems.

Innovative Data Storage and Availability

Like traditional data logging software, DeLogger4 Pro allows you to store data in computer files. In addition, DeLogger4 Pro incorporates a database that brings a new dimension to data collection, analysis and presentation, including:

- Ease and power in retrieving, processing and displaying information
- Faster than simple file based methods
- Instant reports incorporating up to eight data filter parameters
- Virtual data channels derived from Primary or calculated data sources

Database storage also means that previously cumbersome data operations, like appending new data to existing data, are now extremely simple. Memory cards can be unloaded directly to the database.

Web Publishing

DeLogger4 Pro can create HTML (browser) versions of data views for manual and automatic Web Publishing. This allows Information to be available on Internet or Intranet for multiple users.

Additional Charting and Spreadsheet features

The Analyse Window combines Spreadsheet and Charting functions to give additional features and flexibility for your use. XY chart plotting is included for plotting channels against each other rather than against time (also known as a scatter chart).

Additional Mimic features

DeLogger4 Pro increases the objects available in the Mimic view by including digital meters and annunciators, LED style indicators, additional analog meter types and buttons that can trigger Actions or send commands to dataTaker units.

Custom Reports

You can create reports in Crystal Reports™ ready for output using the built in report writer. For sophisticated data manipulation or graphing, you can import data into a spreadsheet such as Microsoft Excel. And for real time reporting, you can use the Microsoft ODBC (Open Database Connectivity) drivers supplied with DeLogger4 Pro to automatically update your Excel report as the data arrives.

Computer Requirements

You need the following computer configuration for DeLogger4 and DeLogger4 Pro:

- Windows 2000, NT (Service Pack 4) 98
- 200MHz Pentium II processor or better
- 64MB of RAM with Windows 98
- 128MB of RAM with Windows 2000 & NT
- 40MB of available hard disk space

DT50, DT500 and DT600 range dataTakers must be fitted with a V3.40 ROM or later. DT800 dataTakers must have V3.06 firmware or later.

dataTaker



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TOTAL QUALITY COMMITMENT

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