

DSO, MSO and ScopeCorder software

For DLM2000, DLM4000, DL850E and DL850EV models*



Yokogawa provides a comprehensive suite of software tools to complement and support your oscilloscope and ScopeCorder measurement tasks. This is a summary of the most popular PC software available for our digital oscilloscopes, mixed signal oscilloscopes and the latest Scopecorders together with details of where to get them. If you are viewing a printed copy of this summary or a link is broken, all the software can be found at: <https://y-link.yokogawa.com/>

Clive Davis – Marketing Manager at Yokogawa Europe

Xviewer - Waveform analysis and display

Xviewer allows you to display acquired waveforms, transfer files and control instruments remotely. In addition to simply displaying the waveform data, Xviewer features many of the same functions that the DL series instruments offer; zoomdisplay, cursor measurements, calculation of waveform parameters, and perform complex waveform maths. Using Xviewer, binary waveform data can easily be converted to CSV, Excel or Floating Point Decimal format.

- Waveform Viewer
- Supports GP-IB, USB and Ethernet interfaces
- Online File Transfer
- Instrument remote control (virtual front panel)
- Data Conversion

Xviewer DL850 advanced utility option

This enables waveform data to be pre-analysed while the acquisition is still in progress on the DL850E or DL850EV ScopeCorder. It is also adds the possibility to merge and synchronise measurement files taken by multiple ScopeCorders as well as file splitting and format conversion.

[Click here](#) to download the free 30 day Xviewer trial version.

The following functions will continue to be available free after the trial period has expired.

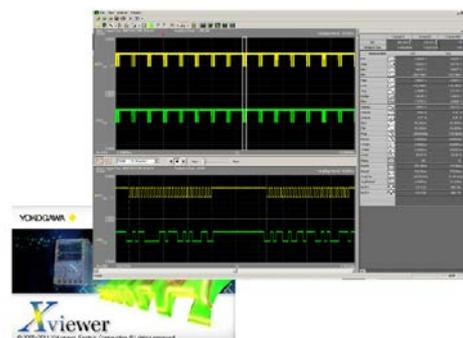
- Waveform viewer
- Vertical cursor
- Data conversion to CSV

The [free XviewerLITE](#) software also supports these functions.

Xwirepuller - waveform viewing on a PC

Xwirepuller is free software which enables you to control instruments from your PC via the Ethernet, USB, or GP-IB interface. When the software program starts, the front panel image of the connected instrument appears on the monitor of your PC. You can control the instrument from your PC with the mouse to simulate operations using the front panel keys of the instrument.

[Click here](#) to download the free Xwirepuller software.



* Many of these software tools are also usable with older models.

Symbol editor

You can create and edit physical value symbol definition files for serial bus analysis. You can import CANdb files and create physical value symbol definition files. It is also possible to import CAN FD definition files into the DLM2000/ DLM4000 and LIN definition files into the DL850EV.

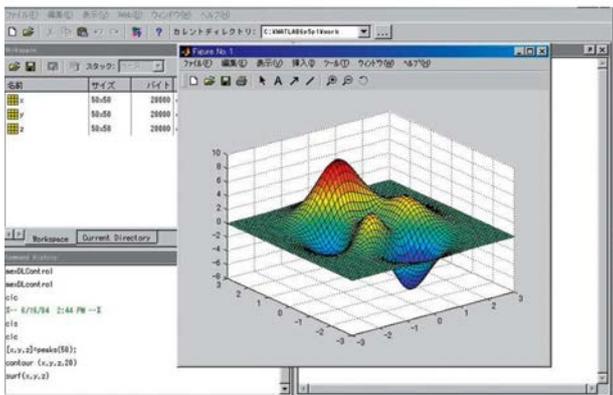
[Click here](#) to download the free software.

MATLAB toolkit and .MAT file support

MATLAB® is a high-level language and interactive environment that enables you to perform computationally intensive tasks faster than with traditional programming languages such as C, C++ and Fortran.

This MATLAB tool kit enables instruments to easily interface with MATLAB. The software can be used to control instruments from within MATLAB or to transfer data from the instrument to MATLAB via GP-IB, USB or Ethernet.

[Click here](#) to download the free 30 day trial version.



LabVIEW drivers

LabVIEW is a graphical programming environment used by millions of engineers and scientists to develop sophisticated measurement, test, and control systems using intuitive graphical icons and wires that resemble a flowchart. By utilising the LabVIEW driver written for the instrument, a developer can dramatically reduce the amount of work required to enable a PC to control the instrument from within the LabVIEW environment.

Find the free LabVIEW driver for your instrument by performing a keyword search using “LabVIEW” on the “Oscilloscopes” category by [clicking here](#).

TMCTL - Control libraries

TMCTL is a DLL (Dynamic Link Library) which enables you to easily develop Microsoft Visual C++ and Microsoft Visual Basic programs to communicate between the PC and our instruments. It supports GPIB, RS232, USB, USBTMC, Ethernet and VXI-11 interfaces.

[Click here](#) to download the free developers software and documentation.

DLTerm - Command line tool

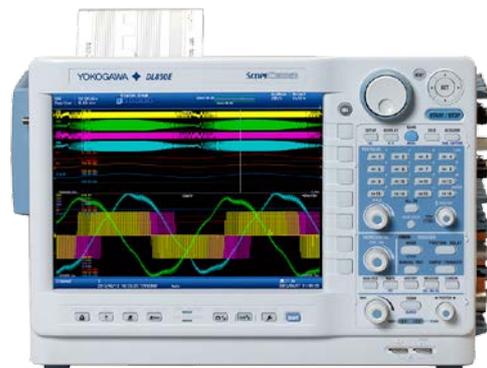
DLTerm is a command line tool for use with the TMCTL library and can be used to develop communication programs. You can therefore rapidly create prototype code to automate sequences of capture, measurement and analysis tasks before writing a fully custom software routine.

[Click here](#) to download the free developers software.

Sample communication programs

These are software development sample programs written in Microsoft Visual Basic and Microsoft Visual C++. Install the TMCTL library first.

[Click here](#) to download the free sample programs.



Support for NI DIADEM

The Yokogawa_WDF DataPlugin supports the reading of Yokogawa Waveform Data Files (WDF) and can be downloaded from the [NI website](#).

Supported by imc FAMOS

An import filter for Yokogawa .wdf format files is available in the FAMOS data analysis software.

Support for DADiSP

An import module is [available](#) for the DADiSP analysis software.