



Polymer Laboratories

PL-ELS 1000 Control

Version 4.00

Installation Instructions

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Welcome to PL-ELS 1000 Control

Please find your Control Software CD packaged in the inside cover of this manual.

Operating the PL-ELS 1000 is easy, especially with PL-ELS 1000 Control. This Windows '95 based graphical interface offers a second and complimentary level to total instrument control. An intuitive single control panel provides simplistic control as well as a comprehensive monitoring system. At a glance instrument status is rapidly assessed from the following sections: -

1. Visual Displays of status, set points and instrument status.
2. Graphical display of photodetector output.
3. Clearly labelled methods in which operational parameters are stored.

The operational parameters can be easily manipulated, saved or loaded by using the flexible Methods Editor enabling rapid set-up and custom method archiving.

Other features include audit trail facilities which can be used for diagnostic or simply GLP.

The following topics should provide you with the information you need to install and run PL-ELS 1000 Control for the very first time. Once installed there is comprehensive on-line help supporting all operational tasks.

Installation Topics

- 1. Hardware Requirements**
- 2. Installing PL-ELS 1000 Control**
- 3. Getting Started**

Hardware Requirements

To be able to install and use PL-ELS 1000 Control you must have a computer that meets at least the minimum requirements.

Computer Specifications

Minimum Requirements :-

PC with Pentium processor or equivalent

166MHz

64MB of RAM

10MB of free hard disk space for installation with an additional 100MB for data storage

SVGA (800 x 600) resolution monitor with the video adapter set to 16bit Colour operation

Microsoft Windows 95 operating system

Microsoft compatible mouse

CD-ROM

One RS-232 serial communications port per instrument.

Recommended Requirements :-

PC with Pentium III processor or equivalent

500MHz

128MB of RAM

10MB of free hard disk space for installation with an additional 100MB for data storage.

SVGA(1024 x 768) or higher resolution monitor with the video adapter set to
HIGH COLOUR or TRUE COLOUR

Microsoft Windows 95 or later operating system

Microsoft compatible mouse

CD-ROM

One RS-232 serial communications port per instrument.

One serial (DTE to DCE) cable per instrument.

Installing PL-ELS 1000 Control

The PL-ELS 1000 Control application must be fully installed on your computer before it can be used to control the instrument.

Installing the PL- ELS 1000 Control Software



If upgrading from an older version of the software please remove the previous version using the Add/remove programs utility found in the control panel before installing a this version of the software.



NT users must be logged on as the System Administrator before installing this software

Place the CD-ROM containing the PL-ELS 1000 Control in the CD drive.

In most cases the PL-ELS 1000 set-up program will automatically start. However if the program does not auto start then select the *Run* option in the *Start menu*, and type in **D:\setup.exe** (where D: denotes the CD drive).

Follow the on-screen instructions, it is recommended that the default settings are selected.

You may need to restart your computer at the end of installation; if this is required you will be prompted to do so.

After successful installation of PL-ELS 1000 Control, the program is simply run by clicking on the application named PL-ELS 1000 Control installed in the PL-ELS 1000 group of the Programs option in the Start menu. The instrument must be connected to the computer via the serial cable and switched on before the program will successfully run.

The default location for the program files will be *C:\Program Files\Polymer Laboratories\PL-ELS 1000 Control* which contains the following files:-



Getting Started

Before executing the application for the very first time it is important to follow the following instructions :-

1. Make sure the PL-ELS 1000 Instrument is switched on and operates normally with the infra-red handset provided.
2. After installation of the software make sure you have one free and valid RS-232 communications port (1 to 4).
3. Connect one minimal (DTE to DCE) serial cable between the free RS-232 communications port of your personal computer to the top port labelled RS-232 at the rear of the PL-ELS 1000 instrument.
4. Execute the application from the Start menu. The application is named PL-ELS 1000 Control and will be in the group PL ELS 1000 in the Programs option in the Start menu.
5. You will initially see the PL-ELS 1000 splash, which will appear every time the software is run.
6. Following this you will be presented with the Communication Settings dialog. Simply select the communications port (i.e. COM 1 to COM 4) that you have connected the instrument to and press the Connect button.

You will see a visual response from the instrument if the connection was successfully made. Otherwise PL-ELS 1000 Control will attempt to connect over the next ten seconds. After this you will be presented with a Communications Error, this can be caused by :-

1. The wrong communications port is specified.
2. The communications port specified on your personal computer has not been connected to the instrument with the correct cable.
3. The instrument has been switched off.

If one of the above causes a Communication Error after 10 seconds simply follow the on-line steps.

Please Note :-

You may need to re-specify the communications port if you initially provided an invalid port. After closing the Communication Error message, you have 30 seconds to locate the menu option **Edit Communication Settings** and re-connect to the correct communications port.

This continues until the correct communications port is specified or PL-ELS 1000 Control is closed.