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Quick Start Guide



ELREPHO[®]
450 X

datacolor

Elrepho™ Quick Start Guide (July, 2003) Part #4230-0375M Rev 1

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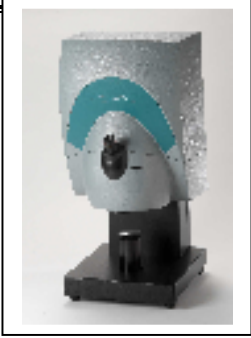
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Elrepho Features and Accessories



The Elrepho is a color-measuring instrument designed specifically for use by the paper industry. It incorporates state-of-the-art CMOS integrated circuit technology used in other Datacolor instruments, and employs a vertical mount design. It is intended for use as a device for measuring, specifying and evaluating color in both laboratory and production settings.

Standard Features

- Pulsed xenon light source
- Multiple aperture sizes to accommodate samples of different sizes
- Automated zoom lens
- Automated, adjustable ultra-violet filters for measuring fluorescent samples

Accessories

All models come with the following standard accessories:

- Six foot power cable
- Serial cable with connectors on either end
- Black Trap
- White Tile
- Green Tile

Aperture Plates and Cables

Aperture Plates

Three aperture plates having openings of different sizes are included as standard accessories with the Elrepho. Refer to *Elrepho User's Guide Appendix for aperture plate specifications*.

WARNING! The aperture plates are secured to the front of the unit with magnets. Keep all computer media away from the faceplate of the instrument.



Cables

The Elrepho requires the use of two cables, a power cable and an instrument cable. The cable used for the instrument can be either a Serial or USB cable.

Power Cable

USB Cable



Serial Cable

WARNING! Refer to the "Electrical and Environmental Requirements" section **before** connecting your Elrepho to a power unit or to a desktop computer.

Cable Connections

A six-foot power cable is provided with the instrument. Power is supplied to the back of the unit via a 3-prong male connector.

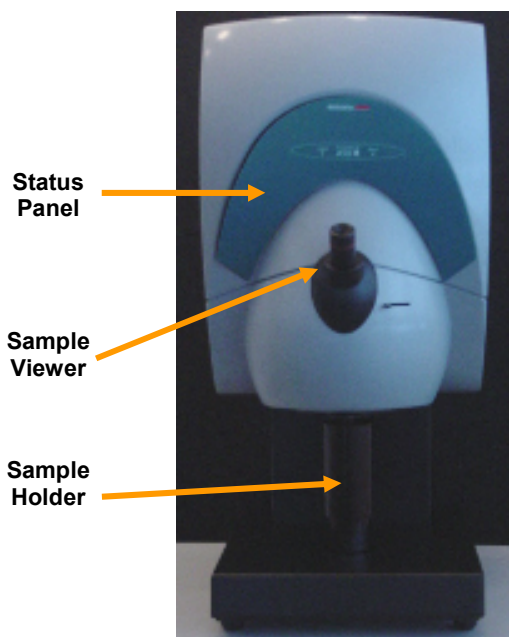


1. Plug the female end of the power cord into the power receptacle on the rear panel of the instrument. Insert the plug into a standard AC outlet.
2. Connect the 9-pin male connector on the serial cable to the RS-232C female connector on the rear panel of the instrument.
3. Connect the female connector on the serial cable to a serial communications port on the back of the computer.
4. If there is more than one serial port on the computer, make a note of the port being used. You may need to enter this information into the program.
5. Tighten each connection securely to ensure proper signal.

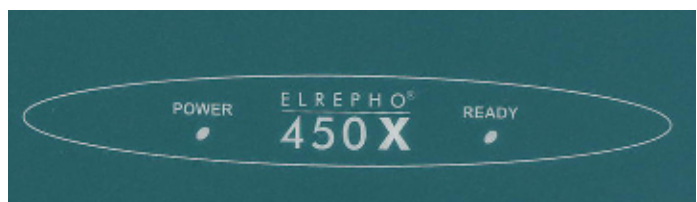


Refer to the *Elrepho User's Guide: Appendix* for a description of the RS-232C connector pin assignments.

Controls and Indicators



Status Panel



OPTIONS

Power

Ready

DESCRIPTION

Unit is connected to power supply, and power switch is on.

Instrument is ready for use.

Powering Up

To start using your Elrepho, do the following:

1. Verify all cable connections. The AC power cord should be plugged into an outlet. The serial cable should be attached to the instrument and host computer.
2. Turn on the host computer.
3. Turn on the power switch. This is located on the lower right side of your instrument toward the front. When power is applied, all mechanisms are automatically reset. The red lights on the status panel will flash for approximately one minute.
4. When the **Ready** light remains lit on the status panel, your instrument is ready to use.
5. Launch a Datacolor program.

Top of
Instrument



NOTE

If the instrument power is not turned on before a Datacolor program is launched, you may receive an error message.

6. Prepare to calibrate the instrument. You will need the black trap, white calibration tile, and green diagnostic tile.

NOTE

We recommend that you calibrate the instrument every 8 hours. *Refer to the software documentation for instructions regarding software setup and instrument calibration procedure.*
