

# BIOCHROM ZENYTH 340 MICROPLATE READER

## QUICK START GUIDE



### 1. Turn on the instrument:

Connect instrument to a power source using the appropriate power cord.

- ✓ Check user's manual for important safety information.

### 2. Connect the instrument to a PC:

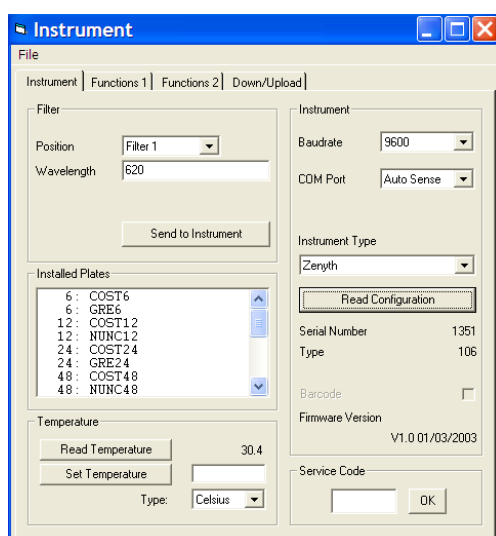
Connect to a PC via serial port to serial port or a serial port to USB port adaptor. To determine the communication port (com) used by the instrument, and open the device manager, found here: go to **Start\Control Panel\System\Hardware\Device Manager\Ports**.

#### **Please Note:**

- Ensure that the instrument is connected using COM ports 1 – 9.
- Some USB to RS232 converters do not work well; use a serial port whenever possible.
- Ensure that you are using the original RS232 cable that was shipped with the instrument.

### 3. Connect instrument to ADAP software:

Insert CD supplied with the instrument into PC; install ADAP. Open ADAP. ADAP will prompt for a user ID and password. Use the pre-set ID and password: **admin\admin**. Once logged as **admin**, set specific user IDs, passwords and administrative rights. Select **Setup>Instrument** in the menu bar. A dialogue box will open:




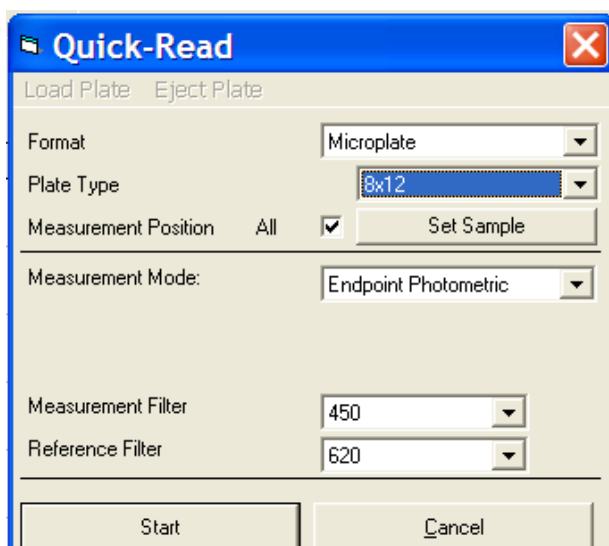
Under the **Instrument** tab:

- ✓ In **Baudrate**: select Auto Sense
- ✓ In **COM Port**: select port
- ✓ In **Instrument Type**: select Zenyth

To confirm that the instrument is connected with the computer, select the **Read Configuration** button. The serial number of the instrument should now appear in the

**Setup>Instrument** dialogue box along with compatible plate types in the **Installed Plates** window.

4. For a quick measurement, select  in the task bar or **Reading>Quick:**



In the **Quick-Read** dialogue box:  
Confirm that the correct format and plate type are selected.

- ✓ Select **All** in **Measurement Position** to read the entire plate.
- ✓ Select **Endpoint Photometric** for basic readings using a measurement and reference filter.

- ✓ Note: It is important to use a reference filter to account for optical inference from the plate.

Place plate with A1 in the upper left corner of the plate transport. Select **Start**. Absorbance measurements will appear in the open window in ADAP.

5. Other options in the **Quick-Read** dialogue box include: Kinetics measurements and multi-wavelength measurements.
6. To export raw data, select the **Raw Data** tab. To export the data as a matrix, select **Copy displayed data into clipboard**. Data will paste as a matrix with filter wavelength, time and date. To export multiwavelength or kinetic measurements, select **Copy all data into clipboard**. Data will paste as a matrix showing the measurement at each wavelength or time of measurement grouped by well.