

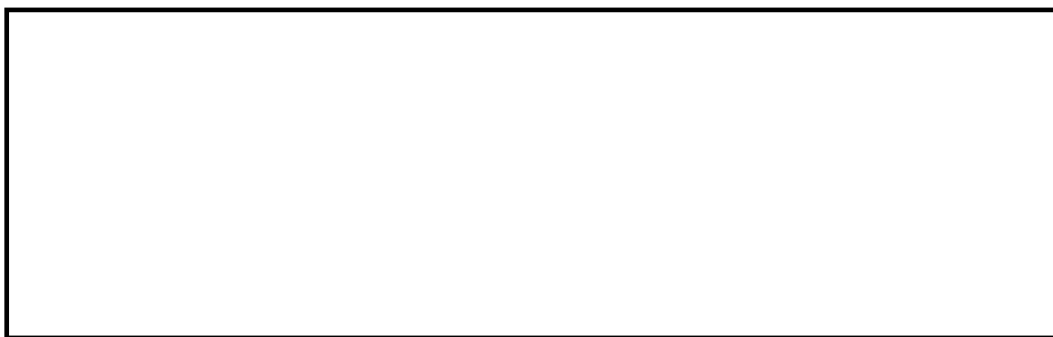




## Equipment Information

### FCC

This equipment has been tested and found to comply with



## CE Declaration

Manufacturer's Name: X-Rite, Incorporated  
Manufacturer's Address: 3100 44<sup>th</sup> Street, S.W.  
Grandville, Michigan 49418  
U.S.A.

Model Name: Spectrophotometer  
Model No.: 8000 Series

Directive(s) Conformance: EMC 89/336/EEC LVD 73/23/EEC

### Warning:

This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

## Environmental Specifications

Operating Temp: 10° - 40°C  
Relative Humidity: 0 - 85% non condensing  
Usage: Indoor Only  
Altitude: 2000m  
Pollution Degree: 2  
Overvoltage: Category II

## Instrument Information





# *Overview and Setup*

## **Unpacking and Inspection**



## SECTION ONE

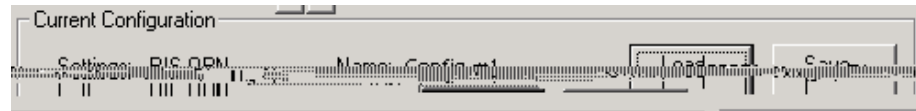




5. To select the reflectance or transmittance measurement, click the appropriate **Measurement Type** option.
6. Save the configuration if desired. Refer to Saving and Loading Configurations.

### **Saving and Loading Configurations**

The current configuration displays the setting code and name of the current configuration.



#### **To save configuration:**

1. Set desired instrument configuration parameters and click **Save**.
2. Enter a configuration name in the **Name** field and click **OK** to save the



## SECTION ONE

### **To adjust the sample stand:**

1. Loosen the thumbscrew on the side and move the stand up or down.



# *Calibration*

The instrument will automatically require

## SECTION TWO

## Transmittance Calibration Procedure

1. Verify the desired transmittance instrument configuration is set or loaded. See Instrument Software Configuration, Section One.
2. Click **Calibrate** on the instrument interface application or within the X-RiteColor Master application.
3. Position the SRM over the port reducer as previously explained.
- 4.









# *Measuring Samples*

The X-Rite 8000 Series Benchtop Spectrophotometer is used in conjunction with X-RiteColorMaster software. Sample positioning techniques are shown in this section. For information on usage with X-RiteColorMaster, refer to the X-RiteColorMaster software application.

## **Reflectance Measurements**

1. Confirm that the desired port reducer is installed. Edit the current configuration or load appropriate configuration from the application.
2. Calibrate for the current configuration if needed.
3. Pull back the sample holder and place the item to be measured over the sample port. Secure in place with the sample holder. If additional positioning accuracy is required, check the camera box in the interface application and view on-screen to position.

4. Activate the measurement within X-RiteColor Master. The instrument takes the measurement and displays the measurement data.

## **Removing The Sample Holder**

The sample holder can be removed to facilitate the measurement of large samples.

## Transmittance Measurements

1. Open the transmittance chamber cover to access the sample holders. This is accomplished by lifting upwards on the cover and swinging it backwards.
2. When measuring hazy or cloudy materials, use the inside of the transmittance clamp sample holder for best results. When measuring clear materials, use the outside of the sample holder for best results.
4. Select Transmittance mode on the control panel. **NOTE:** For best results, set the instrument to Transmittance mode and Specular mode. Included in the same configuration.
5. Actuate the sample holder. The instrument will display the transmittance reading.



### SECTION THREE



### **Cleaning the Port Reducers**

The front surface of the port reducer may be wiped clean with a cloth dampened in water or a mild cleaner. Use an optics blower to blow any dust, dirt or other contamination off the white surface. Do not touch the white surface with you fingers or attempt to wipe it off with a cloth. If blowing off the white surface does not



# *Appendix*

## **Technical Specifications**

## SECTION FIVE



