

7000/A Light Level Test Using HyperTerminal

1. To test the light level of your ColorEye 7000 or ColorEye 7000A instrument, the first step is to set your instrument up as follows:

a. For a ColorEye 7000

- i. Use the LAV Aperture plate and Lens position
- ii. Either SCI (lever down) or SCE (lever up) can be selected
- iii. UV included set the UV filter all the way down, then move it up slightly until the lens "clicks" into position

b. For a ColorEye 7000A

- i. Use the LAV Aperture plate and Lens position
- ii. Either SCI or SCE can be selected from the instrument front panel
- iii. D65UV included must be selected from the instrument front panel
- 2. Next, calibrate your instrument in Reflectance Mode. Calibration can be done using your measurement software (e.g. Color iControl, Color iMatch, X-RiteColor Master). When calibration is complete, place the Calibration White Tile back in the instrument viewport in preparation for the Light Level Test.
- 3. You **MUST** exit the software, as leaving your software open will conflict with the communication between your instrument and HyperTerminal
- 4. On your PC go to:
 - a. Start/All programs/Accessories/Communication/Hyper Terminal
 - b. Select "NO" at the screen shown below

Default Telnet Program?				
⚠	We recommend that you make HyperTerminal your default telnet program. Do you want to do this?			
	Don't ask me this question again			
	Yes <u>N</u> o			

Note: You may be presented with a screen that asks for your location information. Type in your area code and hit "OK"

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5. Type a name for the connection (e.g. 7000A test) and click "OK"

6. Select the correct com port (the com port the instrument is physically connected to on the back of the PC) and Click "OK".

Connect To	? 🔀						
8 7000 A Test							
Enter details for the phone number that you want to dial:							
Country/region:	United States (1) 🛛 🗸						
Ar <u>e</u> a code:	616						
Phone number:							
Co <u>n</u> nect using:	Conexant D110 MDC V.9x Modem Conexant D110 MDC V.9x Modem C0M3 C0M1 C0MA C0MB						



7. Select 9600 bits per second and None for Flow Control from the respective dropdown menus. Leave Data bits, Parity, and Stop bits as shown below, then click "Apply" and then click "OK"

COM1 Properties	? 🔀
Port Settings	
<u>B</u> its per second:	9600 🗸
<u>D</u> ata bits:	8
<u>P</u> arity:	None
<u>S</u> top bits:	1
<u>F</u> low control:	None
	Restore Defaults
10	Cancel Apply

8. You should now see a blank HyperTerminal screen with a blinking cursor. At this screen type a capital "S" and hit enter. You will not see the S when you type it, but you will see what was returned after hitting enter. The fifteen character status number (or a variation of it) should appear as shown on the following page.



🍣 7000A Test - HyperTerminal								
<u> E</u> ile <u>E</u> dit ⊻iew <u>C</u> all <u>I</u> ransfer <u>H</u> elp								
🗅 🗃 💮 🌋 🗈 🎦 😭								
1100200000000000 >_								
Connected 0:00:08 Auto detect	9600 8-N-1	SCROLL	CAPS	NUM	Capture	Print echo		

- a. If the status code that is returned begins with 99, this indicates that the instrument is not calibrated. Please return to step 2 and ensure that the instrument is properly calibrated.
- b. If no status number is returned, this indicates that the instrument is not communicating with HyperTerminal. You will want to confirm the correct com port and settings have been configured for this HyperTerminal session. Additionally, you may need to use a different communication cable or try this exercise with the instrument connected to a different PC (with a known good com port on it).
- c. Once you have returned an acceptable Status Code and have proven connectivity, proceed as follows.
- 9. Type "Y" and press enter. A block of numbers should appear in the HyperTerminal screen. Next type "Z" and press enter. This should add another block of numbers to the HyperTerminal screen.



🍣 7000A Test - HyperTerminal	
<u>File Edit View Call Iransfer H</u> elp	
[
00937. 01120. 00999. 01146. 01189. 01120. 00757. 00966. 00959. 01255	
00938, 00959, 01072, 01023, 00994, 00904, 01059, 00917, 01036, 00904	
00807, 01003, 01267, 00948, 01159, 00943, 01204, 00951, 00966, 00739	
01019, 01005, 00791, 00990, 00956, 01246, 00933, 00966, 01057, 01000	
00805, 00929, 01004, 01000, 00865, 00810, 00977, 00953, 01010, 01028	
00932, 00853, 00767, 01079, 00875, 00999, 00807, 00905, 00964, 01000	
>1100200000000R00	
16600, 0/9/5, 0/943, 08820, 10907, 11997, 16188, 18057, 19830, 18424	
[20530, 22401, 21588, 25589, 25605, 25988, 26591, 29986, 29650, 30305]	
220131, 28334, 28110, 28090, 21113, 26333, 21133, 28641, 21102, 28401	
27773, 20347, 27240, 31722, 24071, 30420, 27033, 20140, 23742, 34237 12502 10053 00020 11207 11523 13297 15012 12025 13001 10020	
10300, 10033, 03020, 11074, 11303, 12337, 13710, 10003, 17701, 10020	
26562 26393 26119 25402 25463 24743 25806 27806 20126 26566	
263027 26862 26776 29716 23920 29607 26514 27606 24286 31321	
00900 01013 01036 00920 00928 00772 00931 01127 01017 00960	
00974, 00656, 00787, 01050, 00925, 00751, 01011, 01055, 00848, 00977	
00937, 01119, 00999, 01146, 01190, 01120, 00757, 00966, 00958, 01255	
00938. 00959. 01072. 01023. 00993. 00904. 01059. 00916. 01035. 00905	
00807, 01003, 01268, 00947, 01158, 00942, 01203, 00951, 00966, 00738	
01019, 01004, 00791, 00990, 00956, 01245, 00933, 00965, 01056, 00999	
00804, 00929, 01003, 01000, 00865, 00810, 00978, 00953, 01010, 01029	
00933, 00853, 00766, 01079, 00874, 00999, 00807, 00906, 00964, 01000	
Connected 0:01:58 Auto detect 9600 8-N-1 SCROLL CAPS NUM Capture Print echo	

- 10. Cut and paste the information from the HyperTerminal session into either MS Word or Note Pad. Save this document, attach it to an e-mail, and send it to casupport@xrite.com. If email is not possible, please fax the document to 1-616-803-2076, Attn: CASupport. Please include all of your contact information so we can respond after we have evaluated your instrumen.
- 11. Close the HyperTerminal session.