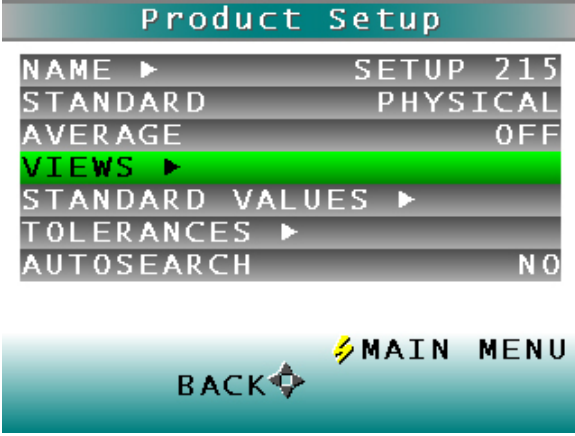
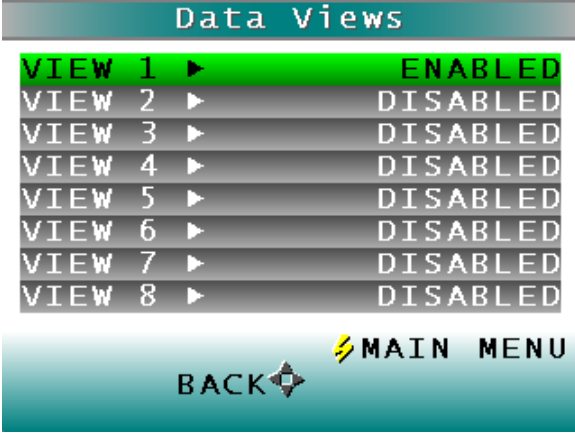
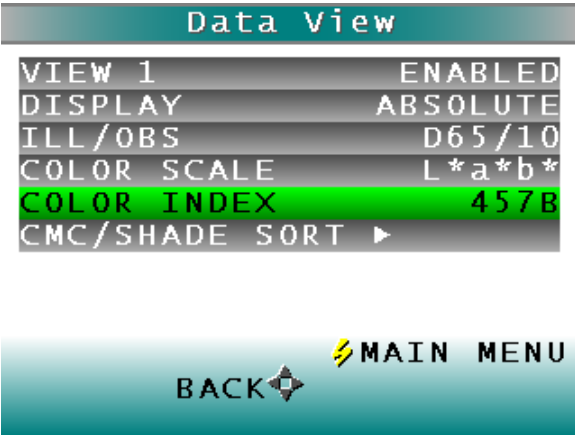
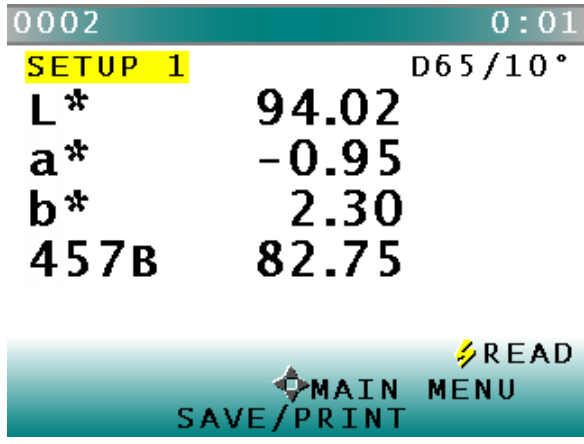
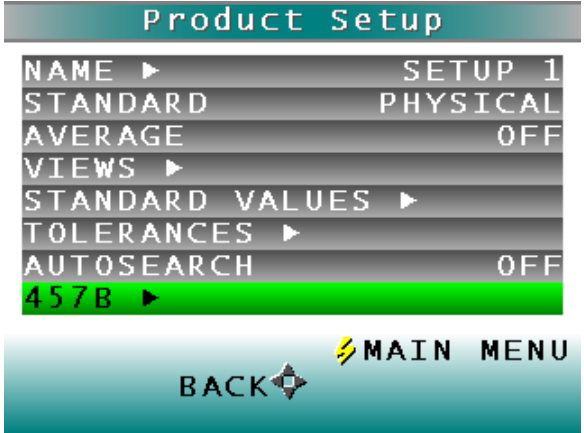
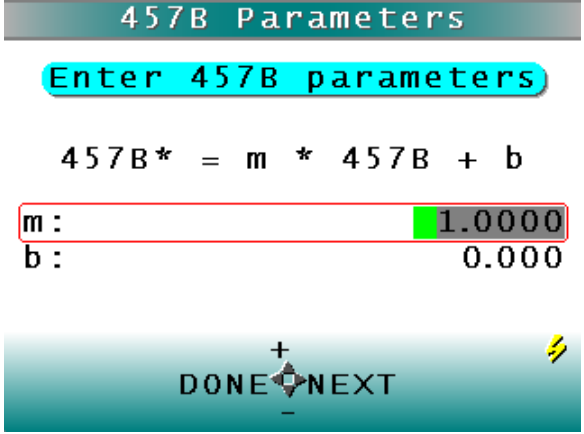


<p>Within a Product Setup, select VIEWS.</p>	 <p>The screenshot shows the 'Product Setup' menu. The 'VIEWS' option is highlighted in green. Other options include NAME (SETUP 215), STANDARD (PHYSICAL), AVERAGE (OFF), STANDARD VALUES, TOLERANCES, and AUTOSEARCH (NO). Navigation buttons 'BACK' and 'MAIN MENU' are at the bottom.</p>
<p>Within Data Views for each Product Setup, select one of the 8 Views – VIEW 1 is typical.</p>	 <p>The screenshot shows the 'Data Views' menu. 'VIEW 1' is highlighted in green and is 'ENABLED'. Other views (VIEW 2 through VIEW 8) are 'DISABLED'. Navigation buttons 'BACK' and 'MAIN MENU' are at the bottom.</p>
<p>Within that View, navigate to COLOR INDEX and select "457B" index for display using the right or left arrows.</p>	 <p>The screenshot shows the 'Data View' menu. 'COLOR INDEX' is highlighted in green and set to '457B'. Other options include VIEW 1 (ENABLED), DISPLAY (ABSOLUTE), ILL/OBS (D65/10), and CMC/SHADE SORT. Navigation buttons 'BACK' and 'MAIN MENU' are at the bottom.</p>

<p>Once chosen, "457B" will display in the measurement screen. Here are typical 457B values for a ColorFlex EZ white tile.</p>	
<p>If you wish to optimize the 457B metric to match TAPPI T452 standards or samples read on a reference instrument, go to Main Menu/Product Setup and select "457B" at the bottom of the screen.</p>	
<p>The default gain (m) value of 1.0000 and default offset (b) value of 0.0000 associated with the 457B metric are displayed.</p>	

The default coefficients should be appropriate for most applications, However, if there is a need to optimize the coefficients to match TAPPI T452 standards or samples read on a reference instrument, ready the “457B” values for low and high limit samples.

Then determine the optimal offset (b) and gain (m) coefficients, using Excel to define a linear relationship between read and reference 457 values. Implement these user-optimized linear coefficients by modifying the offset and gain values.

457B Parameters

Enter 457B parameters

$$457B^* = m * 457B + b$$

m : 0.9000
b : 0.100

+
DONE ◀ NEXT
-

Return to the Main Menu and select the modified Product Setup.

Measure a reference sample to verify the modified 457 nm Brightness value matches the assigned reference values closely.

Here are typical measured values for a ColorFlex EZ white tile with the modified offset and gain coefficients above.

Note that the 457 nm Brightness label has been changed to “457B*” indicating that the metric has been modified. The User is responsible for reporting this when communicating these values to others.

The offset and gain coefficients can be re-set to the default gain (m) value of 1.0000 and default offset (b) value of 0.0000 by manual entry or by going to MAIN MENU/SETUP MAINTENANCE and re-setting all setups.

0002 0:21

SETUP 1 D65/10°

L* 94.03
a* -0.95
b* 2.32
457B* 74.57

◀ MAIN MENU READ
SAVE/PRINT