

# Sensegood Spectrophotometer as Whiteness + Yellowness Tester

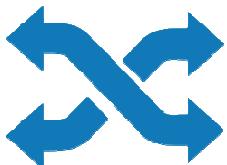
[www.sensegoodinstruments.com](http://www.sensegoodinstruments.com)

## PATENTED TECHNOLOGY

(Patented Hardware, Firmware, Algorithm, Calibration)

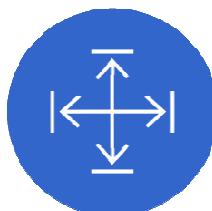
**Universal whiteness and yellowness measurement: – solid, liquid, powder, paste – uniform samples, non-uniform samples**

- Equipped with D65 full spectrum white illumination source

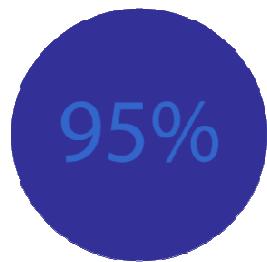


Versatility and ergonomics:

The same instrument can be used for portable/handheld, benchtop/table-top or in-process/online measurement.



It is engineered with proprietary technology which enables the same instrument to serve for contact as well as non-contact type measurements.



Color Match %: Mentions if the sample is Duller or Brighter, Yellowish white, Bluish white, Greenish white or Reddish white than reference, along with the numerical values of color component differences.

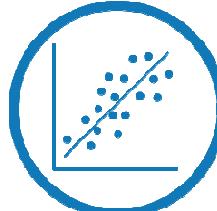


User can set desired color tolerance/ alarm limit. Instrument warns by audible alarm if color difference is not within the desired limit.



Auto measurement mode:

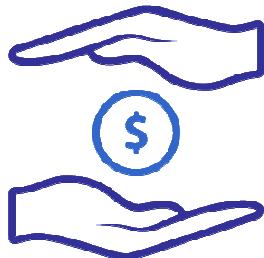
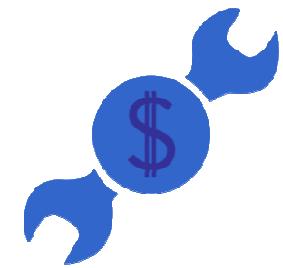
This is a continuous measurement mode with user selectable repeat measurement intervals. This mode is most desirable in color difference measurement and alarm if not within user set tolerance.



Sensegood Spectrophotometer has rotating sample platform and a large field of view. This along with the averaging mode active; ensures best reproducibility in measurements even in non-uniform samples.

Sensegood Spectrophotometer features a set of color indices:  
Whiteness CIE, Whiteness Hunter, Whiteness Stensby  
Yellowness Index

Low field maintenance costs:  
Scratch proof sensor optical assembly enables long life in retaining the calibration. This reduces the production down time and the maintenance cost required due to replacing the scratched assembly.



After a long dedicated cutting edge research, we could develop Sensegood Spectrophotometer which is one of the most affordable solutions in the world.

It is engineered with niche electronics and robust firmware algorithm for best performance and reliability.



MATCH:

95 %



$\Delta E^*$ : 4.67

$\Delta a^*$ : -2.58 (Greener)  $\Delta L^*$ : -3.19 (Duller)

Alarm Limit: 90%

MATCH:

82 %



$\Delta E^*$ : 17.59

$\Delta a^*$ : 2.89 (Redder)  $\Delta L^*$ : 11.14 (Brighter)

$\Delta b^*$ : 13.30 (Yellower)

Alarm Limit: 85%

Sample is duller, greener and bluer than reference.

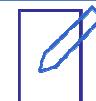
Alarm is not triggered as sample is within the specified color tolerance.

Sample is brighter, redder and yellower than reference.

Alarm is triggered as sample is not within the specified color tolerance.



- LED dim illumination test
- LED bright illumination test
- Buzzer test
- Motor test
- Computer interface test



Resistive color touch TFT display



Light weight



Easy to operate



No warm up time

## SENSEGOODSMART UTILITY – Easy to setup, Easy to use



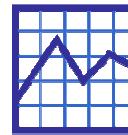
Enables global color management



Automated operation without human intervention



Data portability



All color attributes on single screen

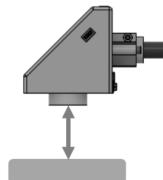
*Sensegood Spectrophotometer along with SensegoodSmart utility is the complete solution that you could ask for.*

## SENSEGOOD SPECTROPHOTOMETER IS STANDARDIZED

- Supports: Commission Internationale de l'éclairage (International Commission on Illumination) CIE1931, CIE1964 and CIE1976.
- Follows guidelines: Instrumental Color Measurement by American Association of Textile Chemists and Colorists (AATCC).

## EASY OPERATING Set target distance

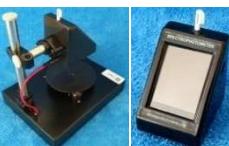
Press "GO"



Sample automatically rotates on a hassle free **ROTATING PLATFORM**.  
It takes multiple measurements over a number of rotations and displays averaged color parameters of the sample.



Benchtop/tabletop



Handheld/  
Portable



Online/in-process



With SensegoodSmart  
utility

Whiteness & Yellowness Testing Video Illustrations:



<https://youtu.be/YY7dU-LKk7Y>

<https://youtu.be/jHMnFWAsyWE>

#### Some of the target sectors, but *not limited to*:

Whiteness and Yellowness measurement for:

- Dolomite powder, Wall putty, White plaster, White cement, Gypsum plaster
- Maida, Flour
- Dairy milk powder and dairy products
- Detergent
- Pulp, Paper & Packaging industry
- Textiles, Linen, Fabrics
- Ceramics, Chemicals, Pigments, Paints
- Plastic products
- Talcum Powder and other cosmetics
- Pharmaceutical Powders, APIs, Pills
- Rice, Salt, Sugar, Sago pearls, etc
- Starch
- Enamel

#### Document repository

<https://sensegoodinstruments.com/support>



[www.sensegoodinstruments.com](http://www.sensegoodinstruments.com)

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