Sensegood Spectrophotometer
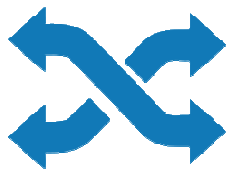
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PATENTED TECHNOLOGY
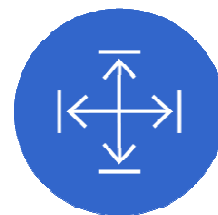(Patented Hardware, Firmware, Algorithm, Calibration)

Universal color measurement: – solid, liquid, powder, paste – uniform samples, non-uniform samples

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 difference:
Represents color difference as a match percentage – a single number representation for ease of understanding.

95%

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.
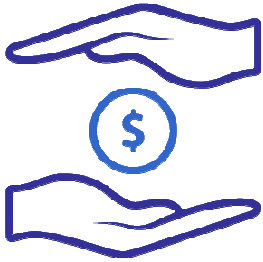
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Sensegood Spectrophotometer features a set of color indices which are quite desirable in many diversified industries.
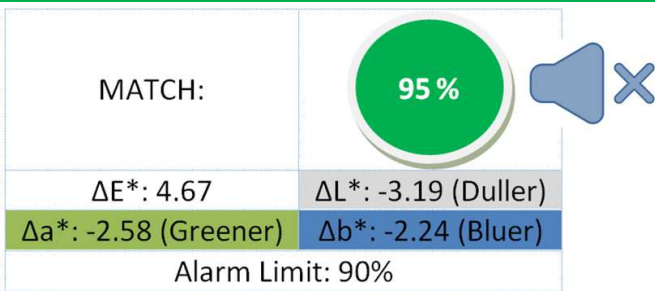
Low field maintenance costs:
Scratch proof sensor optical assembly enables long life in retaining the calibration. This reduces the production down time and the maintenance cost required due to replacing the scratched assembly.
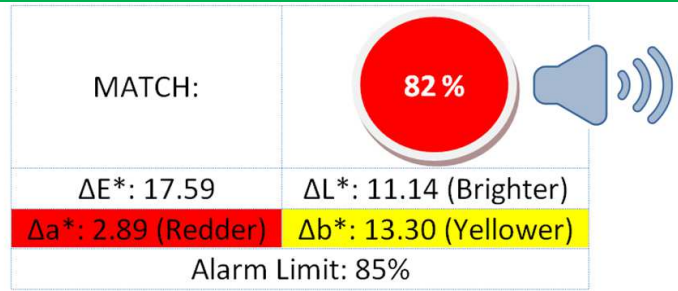
After a long dedicated cutting edge research, we could develop Sensegood Spectrophotometer which is probably one of the most affordable solutions in the world.

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

MATCH:	95 %		MATCH:	82 %	
ΔE*: 4.67	ΔL*: -3.19 (Duller)		ΔE*: 17.59	ΔL*: 11.14 (Brighter)	
Δa*: -2.58 (Greener)	Δb*: -2.24 (Bluer)		Δa*: 2.89 (Redder)	Δb*: 13.30 (Yellower)	
Alarm Limit: 90%			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.

SelfTest
| 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

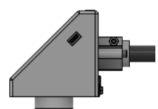| Enables global color management	Automated operation without human intervention	Data portability	All color attributes on single screen

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.
- Supports: Agtron number which is standardized by SCAA (Specialty Coffee Association of America).
- Supports: Citrus scores and other color indices standardized by USDA (US Department of Agriculture) and USFDA (US Food and Drug Administration).
- Follows guidelines: Instrumental Color Measurement by American Association of Textile Chemists and Colorists (AATCC).

EASY OPERATING   Set target distance

↓

Press "GO"

Target distance

SAMPLE

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.

https://sensegoodinstruments.com/

| Benchtop/tabletop | Handheld/ Portable | Online/in-process | With SensegoodSmart utility |

Required mechanical fixtures / couplers are exclusively designed by Sensegood which supports 12mm square tube and 14mm round tube.
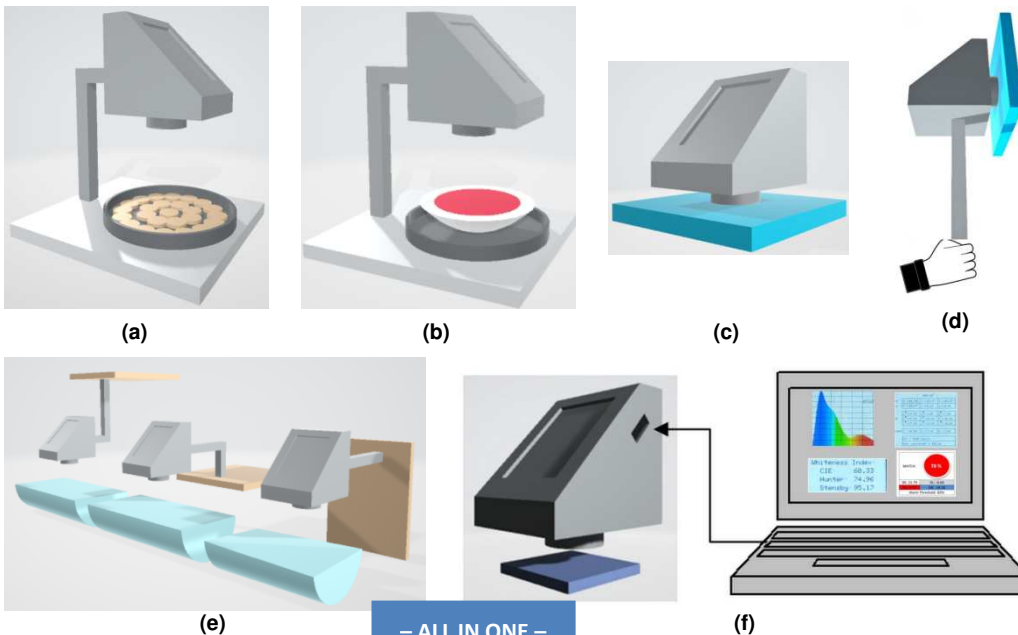
Sensegood spectrophotometer will work perfectly for you
Fast, ergonomic, no worry sample preparation

What's in the box
Partially assembled consisting: Sensor unit (display unit), rotating platform and motor shaft coupling flange, stylus, 4 inch sample trays-2, 6 inch sample trays-2, shaft end couplers-2, cross coupler, pipes-2, pipe end caps-2, +5V adapter, data cable, Allen key, required screw-nuts and cable ties.

SENSEGOOD SPECTROPHOTOMETER - *UNIVERSAL* (REFLECTANCE)

(a)   (b)   (c)   (d)

(e)   – ALL IN ONE –   (f)

Document repository
https://sensegoodinstruments.com/support

- ✓ Benchtop/ Tabletop: (a) (b) (Rotating sample platform)
- ✓ Handheld/ Portable: (c) (d)
- ✓ Online/ In-process: (e)
  Works with:
- ✓ 5V adapter (cell phone charger)
- ✓ Power bank
- ✓ Computer/ Laptop (f)

- ✓ Averaging
- ✓ Auto repeat measurement mode
- ✓ *SensegoodSmart* – computer interface software utility

- ✓ Solid: (a) (c) (d) (e)
- ✓ Liquid: (b) (e)
- ✓ Paste: (b) (e)
- ✓ Powder: (a) (b) (e)

- ✓ Contact measurement: (c) (d)
- ✓ Non-contact measurement: (a) (b) (e) (Adjustable height)

- ✓ Color match percentage
- ✓ Color indices (whiteness, yellowness, …)

SENSEGOOD INSTRUMENTS PVT LTD

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