



Innovative, Industrial, Easy-to-Use Video Colorimeter

Easy_Color
Live-Video Spot Colorimeter

About Easy_Color

Live-Video Spot Colorimeter



"Easy_Color is Smart, Compact, Innovative and Easy-to-Use Live-Video Spot Colorimeter, designed for color tests on small parts and components"

Easy & Smart

Easy_Color is a **Live-Video Comparative Spot Colorimeter** in Diffusive Light Reflection able to show the Realtime image of part to be measured.

Easy_Color is **Extremely Easy-to-Use**, thanks also to its intuitive user-interface and the All-in-One PC touchscreen, and **Fully Programmable**.

SmartVision provides **Smart Features** like: Advanced Digital Color Master Management, SmartVision Cloud Services (Buyer-Supplier Network), Online Remote Support, Continuous Product Improvement.

Industrial & Compact

Easy_Color is Compact, Rugged, Static, Stable, **IDEAL for Massive Quality Control Inspection** in any industrial environment, even for unskilled operators.

Accurate Solution

Easy_Color allows to **analyze a large variety of objects** coated or uncoated, gloss or matt, small, smooth or frosted, etc. **in just 2 seconds** with the following two operating modes:

- Colorimetric comparison with a physical sample;
- Colorimetric comparison with a digital master.

Optional All-in-One PC



- Powerful All-in-One PC, 24" Full HD
- Monitor resolution 1920x1080 pixels
- Height adjustable & tilt swivel rotate position
- Genuine Windows 11 PRO 64-bit
- Pre-installed TeamViewer app Support

Dedicated Software



- Easy-to-Use with an Intuitive GUI
- Customizable Setting Parameters
- Full Automatic Data Report
- Remotely Managed Software Options
- Remotely Software Upgrade
- Hardware License Key

Hardware Features

Easy_Color: Live-Video Spot Colorimeter



Dedicated Smart Tools



Reference Calibration Tools
(Dark & White)



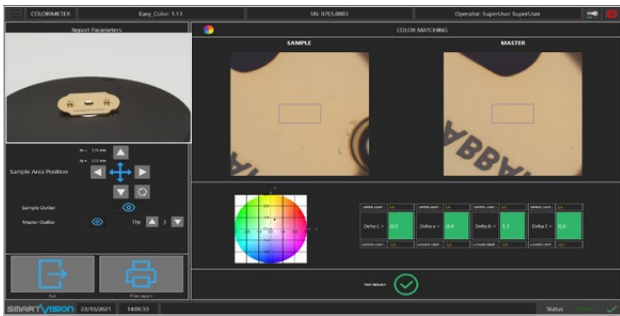
Magnetic Interchangeable Cover
(Standard type, rounded surface)



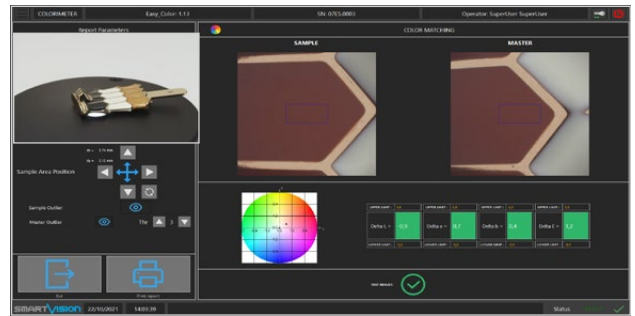
Magnetic Interchangeable Cover
(Flat type surface)

Application Examples

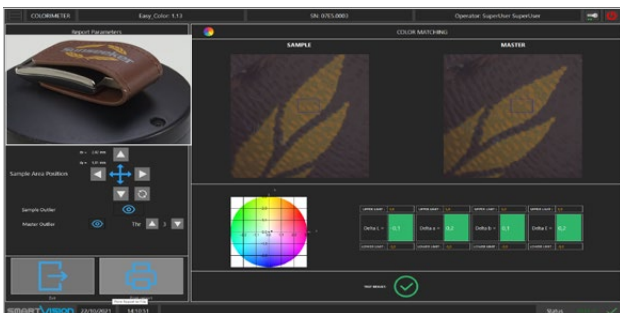
Easy_Color: Live-Video Spot Colorimeter



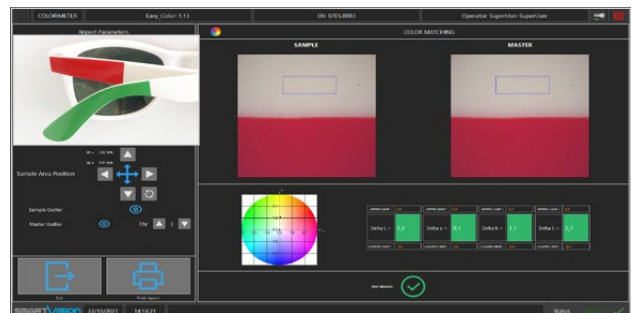
Galvanized Metal



Painted Metal



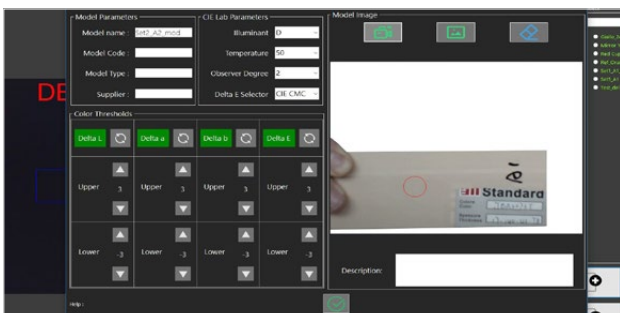
Printed Leather



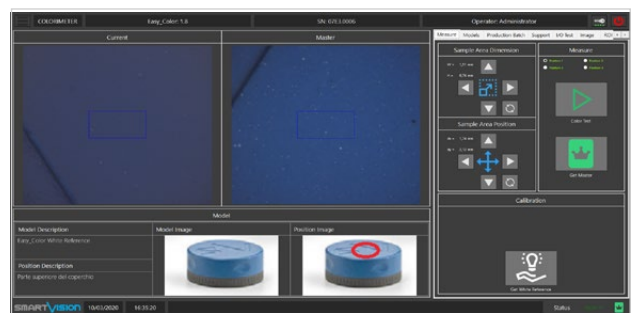
Plastic Material

Software Features

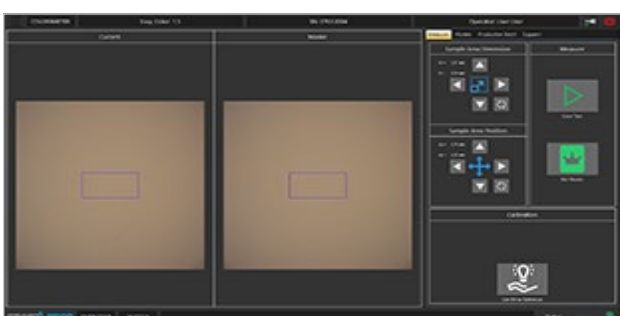
Easy_Color: Live-Video Spot Colorimeter



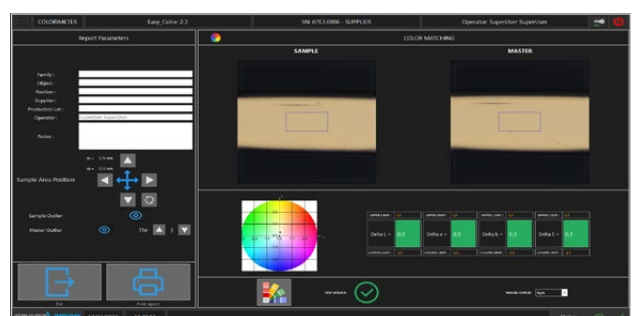
Digital Master Sample Database Creation & Storage



Advanced Models Use



Model Parameters Database



Example of a Passed Test

Features & Benefits

Easy_Color: Live-Video Spot Colorimeter

Main Features	Related Benefits
Colorimetric comparison analysis on VIS range	Fast, automatic and digital colorimetric video microscope developed to measure color differences Real-time video of test area Chromatic distance calculation in the Color Space between a Master reference and a sample (ΔE , ΔL^* , Δa^* , Δb^*) 2D color space visualization Pass/Fail result
Comparative working mode for a large variety of objects	Comparative colorimetric analysis in diffuse reflection for surfaces of watch components, frames, lenses, googles, masks, etc. Suitable for all kind of surfaces coated or uncoated, gloss or matt, small, smooth or frosted, etc. Ideal for small details analysis
LED Source	Extended Lifetime compared to a traditional light source
Live view camera of analyzed area	Easier and faster visual sample inspection in few seconds Easier positioning of the part of the sample to be analyzed in the FOV Easier orientation of the part of the sample to be analyzed in the FOV High repeatability and reproducibility Ideal for color analysis of surfaces with high reflectance
Embedded camera vision system	No focus and no magnification adjustment required No maintenance required Software / Features Upgrade Capability
Adjustable area position and dimension	Allows a wide range of applications
Small area analysis and high intensity light source	Minimized external light influence
Identity Card of the Master Samples (Use of webcam needed)	Digital master database: sample colorimetric informations can be saved in the internal database for additional colorimetric comparison in different sites, times, for different operators, etc. Webcam photo or image can be saved with the digital master in order to have reference information for orientation, dimension, area of analysis, etc. for additional colorimetric comparison in different sites, times, for different operators, etc. Software / Features Upgrade Capability
Multipurpose Button	Software Features can be managed with only one hand
Rugged, Static, Fanless	Can be used in any industrial environment
Easy-to-Use	Perfect for placing samples with different shapes Suitable for unskilled operators
Compact	Save space
Smart	Wide range of Benefits with affordable price Save time and money
Invented & Designed by SmartVision	Creative Design, Efficient & Flexible Support Based on many years of experience in industrial field and lab
Made in Italy	High Level of Quality and Innovation

Technical Specifications

Easy_Color: Live-Video Spot Colorimeter

FoV (Field of View) (mm)	5 x 5
Minimum Resolution (mm)	0.1 x 0.1
Dimensions (mm)	Ø88 H.227 (Without base)
Weight (Kg)	0,8
Power Supply	110-230 Vac 50-60 Hz
Power Consumption	2 A (12 Vcc Included)
Communication Interface	USB 3
Case	Black Heavy Duty Technopolymer
Software Interface	Language: English
User Management	Managing system account privileges with 4 different levels of users with password login and editable rights
Models Management	Database of different models including entire measurement setups
Report Data Export	xls, xlsx, pdf
Statistical Analysis	Ready to connect with SPC software
Optional PC Device	Powerful All-in-One PC, 24" Full HD, Monitor resolution 1920x1080, Windows 11 PRO 64-bit USB Drive with Backup Software (bootable system startup) Pre-installed TeamViewer app Support

Reach Excellence in Quality Control
with SmartVision's Technology



©2024, SmartVision. Technical specifications are approximated and are subject to change without notice. Printing errors excepted.

