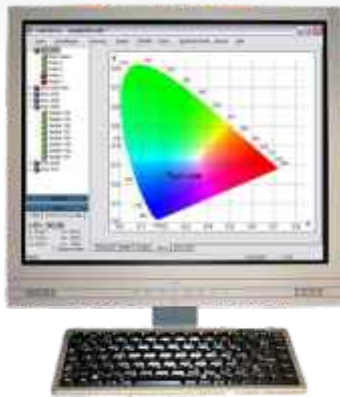


NEW!

Spectral Colour Measurement

ColorLite[®] sph900

“Made in Germany”



Cable free communication with PC via **Bluetooth**

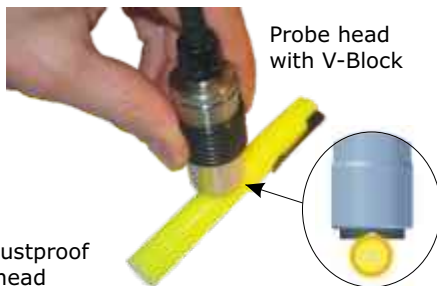


Flexible for many applications as are all **ColorLite** spectrophotometers
With future orientated **O-LED colour display** and smart interface that automatically recognises attached accessories

Using our integrating (Ulbricht) sphere adapter both a **45°/0°** or **d/8°** measurement geometry is available **in a single system**



Water and dustproof IP67 Probe head



Probe head with V-Block



Standard probe head



d/8° sphere adapter

Applications

Complete solution for the colour quality control of:

- Plastics
- Paints
- Textiles
- Leather
- Powders
- Liquids
- Creams
- Granuales
- Foods
- Cables
- Packaging...



ColorLite colour scanning equipment is in use in **many well known companies** in different industries such as:

- Automobile
- Plastics
- Chemical
- Food
- Pharmaceutical
- Paper
- Medical
- Household products
- etc...



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The sph900 spectrophotometer was designed implementing newest optical components available and conforms to all the recommended norms and standards. At the same time highly advanced electronic components guarantee highest quality.

Features

- Highly flexible **external probe head** and small measuring spot - makes measuring small or curved samples easy
- Robust and long lasting **LED light source** - low maintenance and high reliability
- Sprung probe head with **automatic start trigger** especially of advantage for measuring soft materials like leather and textiles
- Smart interface with automatic identification of connected accessories
- Easy to change "**clip-on**" **battery pack** ensures continuous use
- Non-volatile memory bank with a capacity of up to **1000 colours** plus 100 colours with remission spectra, plus **1000 colour standards**
- **Very simple to use** 4 button operation with menu in graphic display
- Help getting started - with **interactive user manual** and tutorial "**colour basics**"
- **True spectral measurement** - Excellent long time reproducibility
- Real time clock - time and date stamp for each probe
- Newest micro controller technology enables **software update** via the internet!



L*a*b* Display

Optional Software-Tools

- **Metameric index**: calculated for D65/A, F11, D55 according to DIN 6172
- **White** and **Yellowness** index - with different types available
- **Best Match** finds standards that match measured sample



PASS/FAIL Display

Wide range of accessories available for measuring different sample types

Delivery Includes:

- Certified white standard - BAM (Bundesanstalt für Materialforschung)
- Temperature controlled battery charger
- Aluminium case with foam padding
- RS-232C interface cable
- Printed + CD user manual



Technical data

Measurement geometry	45°/0° - circular illumination at 45° viewing at 0° according to DIN 5033. Optional d/8° with sphere adapter MA35-UK 2° and 10°
Standard observer	D65, D55, F11, A, C
Illuminants	D65, D55, F11, A, C
Colour data	XYZ; Yxy; DE CIE L*a*b*; L*C*h*, L*u*v*; DE CIE94, ΔL*, Δa*, Δb*; Whiteness or Yellowness Index
Spectral range	400 nm to 700 nm
Light source	White + blue LEDs (light emitting diodes)
Power supply	Detachable rechargeable battery NiMH 6 Volt/1100 mAh
Probe head size	Diameter = 25 mm, length = 60 mm
Instrument size	180 mm x 82 mm x 40 mm
Displays	Relative values; absolute values; remission spectrum
Repeatability	< 0,07 ΔE (typical 0,04)
Memory	Stores up to 1000 colours + 100 spectra + 200 standards
Ambient temperature	15 to 35° C
Humidity	max. 85%, non-condensing
Calibration	Supplied with white BAM certified standard
Resolution	10 nm (internal 3,5 nm)
Interface	Serial data transfer via USB, Bluetooth (optional RS232)