

ColorLiteIdeas: accuracy in colour communication



Technology

Service

Know-how



The ColorLite sph900 – Portable & Accurate The all-rounder for your colour measurement

- Easily expandable to meet new measurement requirements
- Smart accessories for a wide range of applications
- Innovative adapter technology

No more costly colour deviations

**Time for reliable and efficient processes.
Because you have better things to do than produce waste.**

- Easily avoid faulty batches.
- Our unique external probe head – measure where others can't.
- Measure a wide variety of materials with just one device.

With the sph900 you can check colours directly on the component in less than a second. You secure quality quickly while saving raw materials, energy and valuable working time. Your production continues efficiently.

With the sph900 you hold the most advanced and versatile spectrophotometer on the market today. It makes your colour quality control simpler, faster, and more secure.

- ✓ **cut waste and reduce costly rework**
- ✓ **objective results, immediate colour evaluation**
- ✓ **complete documentation, always ready for audit**

The solution: sph900 handheld measuring device

Colour measurement made simple:

1. Position probe head on the sample 2. Press down probe head



3. Immediate display of results on the 2.4-inch colour screen



- **External probe head**

Compact & flexible, offering the best handling on the market for small or curved components and complex geometries.

- **Brilliant Display**

High-contrast OLED screen for easy readability, including a visual PASS/FAIL function.

- **Maximum flexibility with innovative adapter technology**

Accessories for reflection and transmission measurement of liquids, powders, films, granulates, foodstuffs, cables, textiles and much more.

- **USB 2.0 connectivity**

For simple, fast data transfer.



Your advantages:

Maximum versatility & efficiency

The sph900 offers multiple measurement geometries in one device, thanks to its unique adapter function. You save both time and money.

Your need	Our solution	
Simply reliable measurement	Smallest probe head on the market (Ø 25 mm, length 60 mm, 110 g). Spring-mounted measuring head allows one-handed operation. Optional s-version for the smallest measuring areas, or with prism for cables and other cylindrical samples.	✓
High-quality results	115 measuring points in 3.5 nm steps, robust grating spectrometer.	✓
Avoid operator errors, save time	Simple, intuitive menu navigation with automatic accessory recognition.	✓
Fast results	Measuring time < 1 second thanks to 32-bit ARM RISC processor.	✓
Repair instead of dispose	Our devices impress with durability and sustainable reparability. No „End-of-Life“.	✓
Outstanding robustness	Built to last – stainless steel probe head also available in IP67 version for harsh environments. LED light source ensures excellent stability.	✓
Comprehensive documentation and traceability	FRAM memory for up to 1000 colour values and standards. Absolute data security over years, combined with easy management using the ColorDaTra QC software.	✓
Colour data at your fingertips	Organise up to 1000 standard colours in 5 folders, with individual tolerances and best-match function.	✓
Quick overview and decision support	Display of up to 350 colour shades per measuring position on a high-contrast colour screen.	✓
Standard-compliant measurement	All main geometries in a single device: 45°/0° and d/8°. Optional: transmission d/0° as well as adapters expanding the scanning area up to 38 / 80 mm. Supplied PTB standard ensures traceable accuracy.	✓
Mobile measurement, long battery life	Replaceable nickel-metal hydride battery, 6 V / 1100 mAh. Operating time > 15 hours, charging time 1.5 hours.	✓
Precision and energy efficiency	High-resolution OLED colour display: high contrast and low-power 1/4 VGA, 320 × 240 pixels.	✓
Guaranteed availability and personal service	As a medium-sized family business, we rely on short communication channels and direct personal contacts. Whether consultancy or installation, training or maintenance – our qualified experts look forward to your call.	✓

Make it simple. Make it work. **Make it LITE.**

Accessories:

Innovative adapter technology

Save money:

Thanks to intelligent adapter and measuring head options, the sph900 offers maximum flexibility. One device covers all key geometries, from 45°/0° and d/8° to d/0°, ideal for inhomogeneous materials.

Save time:

With just a few simple steps you can switch measuring heads or adapters. Whether standard, S-version or robust IP62/IP67 version: Your sph900 automatically recognises the connected accessory.



Standard probe head 45°/0°:

Directional illumination, standardised according to DIN 5033.



Probe head variant d/8°:

Diffuse illumination, standardised according to DIN 5033.



Special version IP62/IP67:

The robust probe head for direct measurement in liquids.



MA35-Set:

Accessory set for the measurement of powders.



MA80-Set:

Accessory set for inhomogeneous samples (granulates or flakes).



TA35-UK:

Accessory for transmission measurement (films, plastic panels, liquids, coatings, etc).

Find out more

Simply scan the QR code. You'll be taken straight to the sph900 product page on our website www.colorlite.de (english version)



Committed to precision: today and in the future



„What drives us? Delivering the very best in colour measurement solutions. We know every application is unique – which is why we design and produce solutions that are a perfect fit: simple to use and highly efficient. Put us to the test!“

Dr. David Pryor
Owner and Managing Director



Make it simple. Make it work. **Make it LITE.**

Your partner: ColorLite

Colour measurement technology made in Germany

For more than 20 years we have been developing and manufacturing innovative, user-friendly colour measurement technology. Our background: many years of research in this field.

Research projects secure the solutions of tomorrow

For example, in cooperation with SKZ Würzburg – Europe's largest plastics centre.

Colour measurement technology plus software & accessories

- Inline solutions
- Stationary solutions
- Mobile solutions

Technology by professionals, for professionals

- dedicated personal support
- Practical user training
- Reliable maintenance & repair

Put us to the test – free of charge!

Try ColorLite devices for 14 days with no obligation.
We'll also take the time to give you expert, personal advice.

Phone: +49 (0) 5552 999 580

Mail to: sales@colorlite.de



This is ColorLite

Our mission: To provide our customers with the best possible solutions in the field of colour measurement technology

Our motivation

We understand that every application is unique and every requirement individual. That is why we develop and manufacture solutions that truly fit.

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