The "Customised Electronic Colour-Fan" CECF-9 is a unique and simple to use instrument to instantly assign any measured colour out of up to 5,000 stored reference colours from colour-fans such as RAL, NCS etc.

The CECF-9 is an ideal instrument for Point of Sales applications, designers, interior decorators, architects or colour consultants for instant colour identifications according to colour-fan codes instead of colorimetric values.
The CECF-9 is a very unique, compact and light instrument to instantly indentify and assign any measured colour to one of the 5,000 stored standard colour codes of colour fans such as RAL, NCS or any other colour swatchbook. Together with the very easy operation and stand-alone function, the CECF-9 is the ideal tool to be used as “color identifyer” at Points of Sale in Do-it-Yourself and paint retail shops.

Operation is as simple as counting from 1 to 3: 1. Switch power on, 2. Calibration with attached white tile, 3. Measure the sample and read the identified color code!

By using a sphere geometry (8:di) and 8mm measuring area, the CECF-9 can handle all sample sizes and shapes with very high reliability. Battery operation allows full autonomy, independent from PC and thus, carry the instrument to the sample.

The optional „Data-Management-Software“ allows to manage the memory content of the CECF-9 for up to 5,000 colour standards at any time. New colour standards can be added, others deleted and then the new data-set can be simply copied to the EPROM of any other CECF-9 instruments.

**Specifications:**

- **Illuminating /Viewing system:** Eight degree illumination; Diffuse measurement geometry 8°:di (specular included)
- **Receptors:** Conforms to CIE 15.3, ISO 7024-1, DIN 5033-7, ASTM E1164 and JIS Z 8722.
- **Measurement / Illumination Area:** 6 silicon photocells filtered to detect primary stimulus values for red, green and blue
- **Light Source:** 8 mm / 11 mm
- **Measurement Range:** 10 - 100 L*
- **Light Source:** Halogen Thungsten lamp
- **Measuring Conditions:** CIE 10° Standard Observer; Illuminant D65
- **Measurement Time:** 1 second
- **Minimum Measurement Interval:** 3 seconds
- **Repeatability:** de*ab standard deviation 0.1
- **Data Memory:** 5000 standard data sets
- **Display Mode:** 9 digit of Colour-Code (alphanumerical) with colour difference indications by symbols:
  - no Symbol = de*ab max. 1.5 = de*ab 1.5 - 3.0, ++ = de*ab < 3.0
- **Power Source:** 4 AA size batteries or optional AC Adapter
- **Dimensions / Weight:** 59 x 158 x 85mm; 360g (without batteries)
- **Standard Accessories:** Soft Case CR-A68; Protective Cap incl. White Plate CR-A72; Wrist Strap CR-A73; 4 AA-size batteries
- **Optional Accessories:** AC Adapter AC-A13, RS-232C Cable CR-A77 Data-Management Software

**SAFETY PRECAUTIONS**

- For correct use and for your safety, be sure to read the instruction manual before using the instrument.
- Always connect the instrument to the specified power supply voltage. Improper connection may cause a fire or electric shock.
- Be sure to use the specified batteries. Using improper batteries may cause a fire or electric shock.

For use in the U.S.A., standards for electrical supply 120V-50/60Hz.