



# RAL COLORCATCH NANO

**Colorimeter  
with  
automatic calibration  
by  
pushing the button**

**Compatible with  
Apple and  
Android products**



testing equipment for quality management

**ERICHSEN**  
since 1910

**Technical Description**

**RAL Colorimeter**

## Purpose and Application

The **RAL COLORCATCH NANO** developed and manufactured in Switzerland, is a Colorimeter with new technology, which is filming up to five colors simultaneously, regardless of the size and nature of the surface as well as the material, and finds the corresponding RAL color.



**COLORCATCH NANO** recognizes and considers details humans eye never do.

## Design and Function

The colorimeter in pocket size, round and in ergonomic design has an integrated calibration system (automatic calibration by pressing a button). It reads (films) and measures about 50,000 pixels individually. During the color measurement all non-dominant color tones, shading effects or dirt particles are eliminated automatically.

The **COLORCATCH NANO** measures surfaces from 0.36 mm to 8.0 mm and selects automatically up to five dominant colors.

The surface is illuminated by 9 x D65 LEDs (day light) and captured by the camera (224 x 224 pixels - 6-fold magnification / geometry: 45 ° / 0 °).

The **RAL COLORCATCH NANO** works exclusively with the RAL App iCOLOURS.

Using this connection, the nearest RAL color or a color from another pre-selected color collection, is displayed. The selected color can be transferred directly to a photographed object and sent by mail.

This digital color application enables users such as architects, painters, designers and the manufacturing industry to work in the future even more professional, time-saving and customer-oriented.

**RAL COLORCATCH NANO** is compatible with Apple and Android products. The corresponding Apps can be bought separately from [Apple App Store](#) or [Google Play](#).

**COLORCATCH NANO** works with a smartphone, a tablet (iOS or Android) or a PC and is supplied with 4 connector cables (Lightning, Apple 30-pin, USB, USB type micro B).

## Technical Data

Dimensions	51 x 51 mm (Ø x H)
Weight (net)	60 g
Image	Camera CCD 224 x 224 Pixel, integrated, 6-fold magnification
Comparative measuring	shows up to 5 dominant colors and the nearest color shades in RAL, respectively other color charts activated in the app, display of LVR, L*a*b*, sRGB, CMYK and Delta E values
Measuring speed	0,5 sec. – measurement of 50,000 pixel
Battery	3,7 V (400 mAH) incl., rechargeable
Data storage	up to 400,000 color references depending on storage capacity

### Order Information

Ord.-No.	Product-Description
0019.01.51	<b>RAL COLORCATCH NANO Colorimeter</b>
The scope of supply includes: <ul style="list-style-type: none"><li>• 4 cables (Lightning, Apple 30-pin, USB, USB Typ micro B)</li><li>• 1 short instruction</li></ul>	

RAL is the global language of color. With its RAL CLASSIC and RAL EFFECT color collections as well as the RAL DESIGN system, RAL provides color users a multifaceted selection of precise color samples. The RAL COLOURS palette contains a total of 2,328 colors. The RAL COLOURS product range includes color fan decks, standards for plastics and software as well as color design and trend books. (for more information please refer to our price list).

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