

## MCF-HD2: The next Generation Spectrophotometer

The new Measuring Device for Colour Matching, Quality Control, Density Measurements With Coloured Touch Screen and Wireless Data Transmission

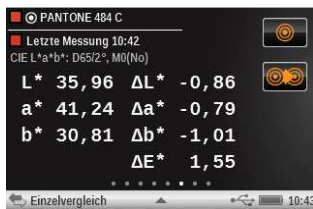
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The Marabu-ColorFormulator MCF-HD2 is a new, portable spectrophotometer equipped with the latest technology. The device was developed under the name "eXact" by our longtime partner X-Rite, the leading manufacturer in the field of colour measurement technology. The MCF-HD2 is spectrophotometer and densitometer in one, and thus the ideal tool for colour matching, quality control, and density measurement.

### Touch Screen / High-resolution Display

The MCF-HD2 with a measuring geometry of 45°/0° ring optic features a coloured display and an easy-to-use touch screen.



After the measurement, the high-resolution display shows the L\*a\*b\* values of the original and the DE\*<sub>ab</sub> or DE<sub>2000</sub> deviation from the printed ink film.

### Densitometer

The MCF-HD2 measures and displays the densities of CMYK, the dot reproduction curve, and the dot gain.

### Colour Matching

In combination with the MCF Software Vers. 6, the MCF-HD2 can be used optimally for colour matching. It is compatible with the MCF quality control software for data collection, and detailed analysis.

Measured data is transmitted wirelessly via Bluetooth to the MCF software.

An automatic calibration of the instrument is carried out via the integrated white tile. The battery charge status is displayed on the screen.

### Embedded Pantone® Libraries

All 1667 Pantone® Colour shades are pre-installed as a digital colour fan and can be used by screen printers, customers, and manufacturers as a uniform color reference standard.

### Different Aperture Sizes

The MCF-HD2 comes with a standard aperture size of 4 mm, it is also available with 6 mm, 2 mm or 1.5 mm.

### MCF-HD2 „Advanced“

The MCF-HD2 is also available as MCF-HD2 "Advanced". It offers additionally the possibility to store the measured values in the tool itself, as well as other colorimetric data such as DE trend, metamerism, opacity, and to display it on the screen.

## MCF-HD2: The next Generation Spectrophotometer

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With Colour Touch Screen and Wireless Data Transmission

MCF-HD2 and MCF-HD2 „Advanced“ are available under the following article numbers and replace the current MCF-HD Spectrophotometer:

**MCF-HD2** Art.-No. 3930 00 406

**MCF-HD2 „Advanced“** Art.-No. 3930 00 408



### Technical Specifications

- Measurement geometry 45° / 0° ring optic
- Spectral range 400 nm – 700 nm, in 10 nm intervalls
- Available aperture sizes  $\varnothing$ : 4 mm (Standard), 6 mm, 2 mm, 1.5 mm
- Colorimetric data: CIE L\*a\*b\*, L, C\* h\*, DE\*<sub>ab</sub>, DE<sub>2000</sub>, DE<sub>94</sub>, DE<sub>CMC</sub>
- Density, dot gain, dot reproduction curve
- Measuring conditions according to ISO 13665:2009
- M0 (No filter), M1 (D50 Daylight), M2 (UV Cutoff filter), M3 (Polarization filter)
- Connection via USB 2.0 or Bluetooth – Class II
- Lithium ion battery
- Weight approx. 0.7 kg

### MCF-HD – Your Benefits

- Portable, cost-efficient spectrophotometer
- High-resolution display
- Easy-to-use, coloured touch screen
- High accuracy and repeatability
- Wireless data transmission with Bluetooth / alternatively via USB
- All-in-one spectrophotometer and densitometer
- Spectral resolution of 10 nm
- Exact positioning under the aperture
- Automatic calibration with integrated white tile
- Digital Pantone® fan included
- Also available as „Advanced“ version with additional functions

For further information please visit

[www.marabu-inks.com](http://www.marabu-inks.com)

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