

small. precise. flexible.

The OEM solution for mobile measurement and precise adjustment of displays and light sources

www.mii2.de



Mii2

Mobile Color Analyzer

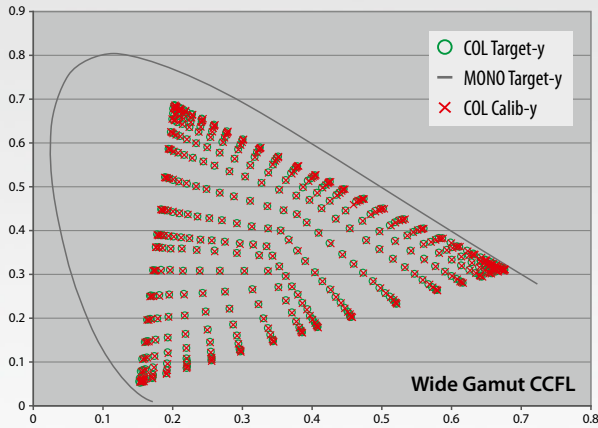
Measure color more precisely than the human eye is able to see !

The color measurement system Mii2 Mobile Color Analyzer can be used to easily measure the exact absolute values of color, intensity and contrast of displays and other light sources. The attainable accuracies are thereby in regions, which were reserved so far only for very expensive measuring systems. The system is dedicated for a large variety of displays, e.g. CCFL, LED or RGB backlight displays with small or wide gamut, plasma displays as well as projectors.

Mii2

Mobile Color Analyzer

www.mii2.de



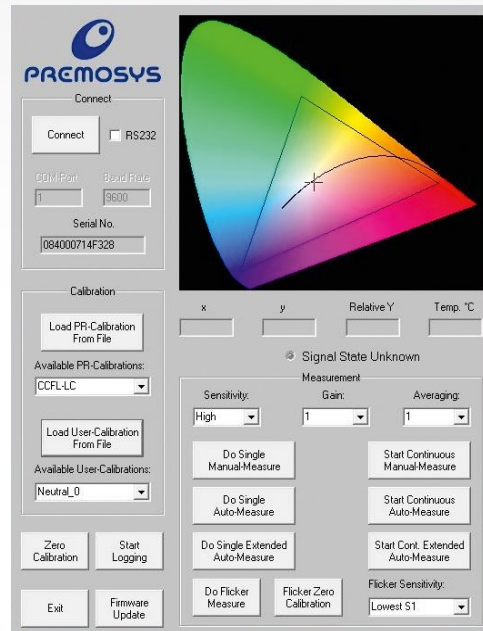
The system receives a factory-installed basic adjustment that exhibits already a high basic accuracy. At our factory-owned light laboratory additional parameters for different displays can be integrated by using special adjustments.

Each system is individually aligned and can be recertified again and again. With that it can be used as a reliable test equipment for many years. The used high-quality components ensure a long time stability of the measurement results.

The integrated temperature sensor compensates the heating of the system during the measurement. Thus it is guaranteed that even with longer employment at the highly sensitive black range reliable and constant measurement data are available. It reaches an excellent repetition accuracy and is simple in operation and handling.

The system is available in different versions with USB, RS232 or RS232T interface. Up to 8 basic calibrations are possible. In addition 30 individual user calibrations for adaption to customer specific displays can be used. As well flickering measurements can be accomplished.

Besides the standard system customer specific OEM solutions are possible, in order to be prepared for other measuring tasks in the future. The integration to customer specific software can be carried out via a WIN 32 Low Level DLL. The output of the measured values takes place in the Chromaticity color space (x,y,Y).



The software tool contained in the scope of delivery continuously displays all actual color and status values.

Technical Data:

Optics:	+/- 2 degree angle of aperture
Measurement range:	Luminance: 0.05 to 2500 cd/sqm Chromaticity: 0.05 to 2500 cd/sqm
Accuracy*:	Luminance: +/- 2% 1 digit (1 ~500cd/sqm) Chromaticity: +/- 0.002 Illuminant D65 Chromaticity: +/- 0.0025 CCT 4000-15000K Chromaticity: +/- 0.0065 for other colors
Calibration:	PTB Traceable
Measurement of Flickering:	regarding VESA standard
Interface:	USB 2.0 or RS232
Power supply:	4,7 to 5,25V DC via USB/RS232 connector

Set of parameters:	8 for different factory settings 30 more user-specific sets
Measurement speed:	max. 10 Measurements/s for low sensitivity max. 4 Measurements/s for high sensitivity
Temperature compensation:	20 to 40 degree Celsius
Dimensions:	61 x 26 x 17 mm (without connectors)
Weight:	approx. 80g

*The accuracy refer to an adjustment regarding a specific display. When measuring 'unknown' displays the accuracy can deviate. Custom-specific adjustments are possible and supported by proper tools.