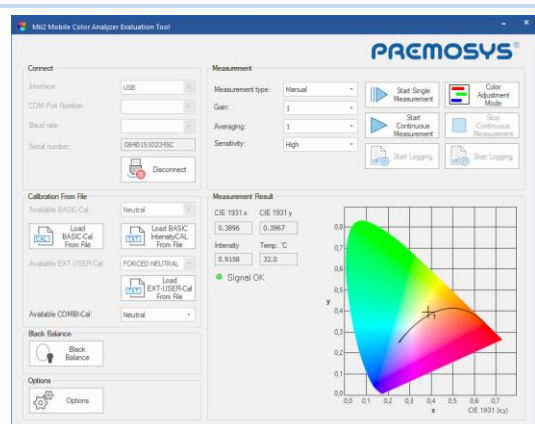


Mii2 Mobile Color Analyzer – PR0084-USB

The Mii2 Mobile Color Analyzer is a color measurement system for self-luminaries.

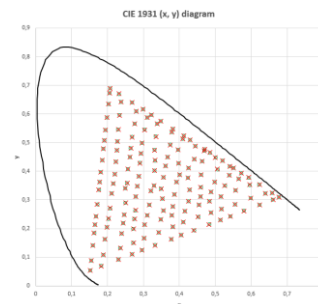
There is a factory calibration that already covers different applications. To further increase the accuracy, specific settings for e.g. CCFL, BLU, Wide-Gamut, White LED and RGB LED can be made. The Mii2 Mobile Color Analyzer offers the possibility to save 8 factory calibrations. In addition, the user can save and manage 30 own user calibrations on the Mii2 Mobile Color Analyzer.



Variants

PR0084-USB-DIF	Mii2 Mobile Color Analyzer with diffuse optics for difference measurement; contact surface of the housing without protection; Article number: 50426
PR0084-USB-OEM	Mii2 Mobile Color Analyzer with standard optics; contact surface of the housing without protection; Article number: 50190
PR0084-USB-OEM-ENG	Mii2 Mobile Color Analyzer with standard optics; the contact surface of the housing is covered with cellular rubber; Article number: 50185
PR0084-USB-OEM-SMA	Mii2 Mobile Color Analyzer with standard optics and coupling via SMA; contact surface of the housing without protection; Article number: 50158

Accuracy



Technical Data

Power supply	4.70 V to 5.25 V DC, max. 70 mA	Calibration	PTB Traceable
Spectral range	380 nm to 780 nm	Communication protocol	proprietary
Output	CIE 1931 xy	Parameterization	via USB interface
Integration time	0.50 ms to 1000 ms, Ratio 2:1	Triggering	via USB interface
Resolution	12 gain steps a 20 Bit, 3 sensitivity levels	Length of lead wire	1800 mm ± 10 mm
Accuracy ^[1]	Luminance: ± 2 % 1 digit (1 ~ 500 cd/m ²) Chromaticity: ± 0.0020 Illuminant D65 Chromaticity: ± 0.0025 CCT 4000 K to 15000 K Chromaticity: ± 0.0065 for other colors	Dimensions ^{[2] [3]}	Width: 27 mm Height: 17 mm Depth: 61 mm
Range	Luminance: 0.05 cd/m ² to 5000 cd/m ² Chromaticity: 0.05 cd/m ² to 5000 cd/m ²	Acceptance angle	± 2 °
Measurement time	max. 10 measurements/s for low sensitivity max. 4 measurements/s for high sensitivity	Material case	Tinned steel
Interface	USB 2.0	IP Code	IP40
User Calibration	30 storable	Operating temperature	10 °C to 50 °C
Set of parameters	8 for various factory calibrations, 30 customer-specific	Operating humidity	35 % to 85 % relative humidity
		Storage temperature	-10 °C to 60 °C
		Weight	ca. 90 g

[1]: The accuracies refer to a specific monitor calibration. The measurement of "unknown" monitors can deviate from this. Application-specific calibration is possible.
 [2]: Unless otherwise, tolerances are specified with ±0.1 and dimensions are specified in mm.
 [3]: Dimensions without fastening straps.