

I am pleased to inform you today that Gossen Photo made a significant extension of the MAVOSPEC BASE measurement functions and an optimization of display and operating functions. Significant innovations are the own measured value window for the flicker measurement with the associated graphics, the extension of the CIE measurement window by the zoom function around the Planckian curve and the implementation of the reference mode for comparative measurements.

The EXCEL templates for the evaluation and report creation have been extended by the function to start the measurement directly at the connected spectrometer and to read it in automatically. Together with the user-freely adjustable reports, serial measurements that can be triggered by the computer are now optimally supported.

An EXCEL data logger is now provided for the recording of measured value curves over a period of time, which starts measurements on the connected spectrometer either manually or on a timed basis, reads in the measured values and stores them in a data folder. Thus, for example, the measured values of HCL (Human Centric Lighting) luminaires can now be recorded and evaluated throughout the day.

Below is a detailed description of the features of the new firmware version 1.2.2:

- The flicker measurement now has its own measured value window that can be switched on or off in the MENU display. With the ring controller up / down, you can toggle between three specific measurement windows, a display of the three flicker values with a graph of the zoomed curve, a graph of the absolute curve (Light scope) and an evaluation graph according to IEEE 1798. The measured value flicker % is now displayed > 1.0% instead of > 2.5%.
- The CIE measurement window now only represents either CIE 1931 or CIE 1976, but has been extended by an automatic zoom function around the Planckian curve. With the ring controller up / down is zoomed in or out.
- The reference mode is turned on or off in the MENU Measurement in Reference mode. When the reference measurement function is turned on, a stored measurement can be loaded as a reference, which is retained even after the reference mode is turned off until the meter is turned off. Pressing the measurement key triggers a new measurement and compares it to the loaded reference. As soon as the reference mode is activated and a reference is loaded, only the measured value windows Spectrum, Report and CIE are available in modified form.

In the Spectrum window, you can now use the ring controller up / down to switch over between the specific measurement windows

- Spectrum Measure (measured values, colored spectrum measurement, spectral curve reference white)
- Spectrum Reference (reference values, colored spectrum reference, spectral curve measurement blue)
- Spectrum Delta (delta values, spectral curves reference white and measurement blue)

In the Report window, the display changes to two-line structure with delta value, reference value and measured value for the measured variables activated in the MENU Presentation Report.

The CIE window additionally displays the reference value as a triangle.

- When loading saved readings, the selected folder will be permanently retained until another folder is selected.
- The display of stored readings has been simplified with the Quick Load function. In the respective measured value window it is possible to switch between the stored measurements of the selected folder with the pushed DATA key and ring controller pressed up / down.
- In the MENU display report, the measured quantities x / y, u / v and u ' / v' now switch on and off in pairs.
- The Spectrum window now displays horizontal lines for 25%, 50%, and 75% of the max. measuring range displayed.

The updated manual in D / GB can be found at:

<https://gossen-photo.de/en/downloads-spectrometers> -> OPERATING INSTRUCTIONS

The other language versions are still being updated.

The new firmware version 1.2.2, updated EXCEL templates for the evaluation and report creation and the new template for data logging can be found under

<https://gossen-photo.de/en/downloads-spectrometers> -> SOFTWARE