

UV Calibrations – a state of the art review

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While UV irradiance calibrations are performed from many suppliers and laboratories, the difference in meter reading results is still quite big. The presentation will give an inside view of current calibration methods, requirements and possible accuracies. The procedures and results of an accredited laboratory will be shown as well methods to reduce uncertainty during measurement.

Therefore requirements for different applications and branches, like linearity tests and calibration test points, will be discussed. Finally a review of the recent standards for UV irradiance calibration from ASTM, DIN and CIE will be given and compared to requirements for accreditation of laboratory.

The presentation will give practical examples and handling tips for best measurements.