

Calibration Guidelines, Expert Reports, Technical Reports

Ionising Radiation

Reference	Title	Title (original)	Available in
DKD-R 2-1	Calibration of sensitometers to ensure image quality in diagnostic radiology	Kalibrierung von Sensitometern zur Sicherung der Bildqualität in röntgendiagnostischen Betrieben https://doi.org/10.7795/550.20180823A	de

Calibration Guidelines:

DKD calibration guidelines (DKD-R) are application documents that meet the requirements of DIN EN ISO/IEC 17025. The guidelines contain a description of technical, process-related and organizational procedures used by accredited calibration laboratories as a model for defining internal processes and regulations. DKD guidelines may become an essential component of the quality management manuals of calibration laboratories. The implementation of the guidelines promotes equal treatment of the equipment to be calibrated in the various calibration laboratories and improves the continuity and verifiability of the work of the calibration laboratories. In addition, the implementation of the guidelines allows the state of the art in the respective field to be incorporated into laboratory practice.

Download of DKD documents: <https://www.ptb.de/cms/nc/en/metrological-services/dkd/publications.html>

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Annex – Abstracts

DKD-R 2-1	<p>This guideline applies to the calibration of sensitometers serving as reference standards (reference sensitometers) or as working standards. Reference sensitometers are used by accredited DKD laboratories for the calibration of working standards. Calibrated sensitometers are used as part of the acceptance test on medical X-ray equipment for the functional testing of film processing.</p> <p>According to DIN V 6868-55, sensitometers are test equipment used for the exposure of films.</p> <p>Calibrated sensitometers expose in defined spectral ranges (green or blue).</p>
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