



Calibration Request for Measuring Systems in terms of $N_{D,w}$ / N_K / N_{KLP} / N_{KAP} (kilovoltage x-ray beams)

1 General information

Customer <i>Name and full address</i>	
Contact person <i>Name, telephone and e-mail</i>	Name:
	Tel: E-mail:

2 Official authorization

Name: _____ Date: _____ Signature:

Please fill in the entries and submit the form using the submit button, or fax it to IBA Dosimetry Service, fax №: + 49 (9128) 607 10, or e-mail the file to service@iba-group.com (subject: calibration request). Thank you for your request!

Comments	
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The calibration certificate shall contain a recommendation on the calibration interval.

Note: According to DIN EN ISO/IEC 17025:2005 Chapter 5.10.4.4 a calibration certificate shall not contain any recommendations on the calibration interval, except where this has been agreed with the customer. DIN EN ISO/IEC 17025:2005 is a German adoption of ISO /IEC 17025:2005.

The calibration will be performed according to the IAEA TRS-398/TRS-277/TRS-457, AAPM TG-61, DIN 6809-4, or DIN 6809-5 dosimetry protocols. Calibrations according to other national and international dosimetry protocols are available upon request.

Please include chamber build-up caps (if applicable) or waterproof sleeves in case of in-water calibrations (TH only) of non-waterproof chambers. For TW qualities, please send the plastic phantom and the electron compensator foils with your chamber.

If you are sending radioactive check sources, please send also their leak-test certificates, a copy of the respective permit decision, and the appropriate chamber adapters.

3 Description of the items to be calibrated

3.1 Display device (electrometer, maximum 1)

Manufacturer	
Model/Type	
Serial №	

If your electrometer's manufacturer is other than IBA Dosimetry (or Scanditronics-Wellhöfer), please consider that we are not authorized to perform any repair or internal adjustment of the device.

Please submit a separate request for each chamber.



3.2 Ionization chamber

Manufacturer			
Model/Type			
Serial №			
Polarizing voltage and collecting electrode polarity	Polarizing voltage: V	Collecting electrode polarity: + -	
With/without electrometer calibration	calibration with the electrometer specified in paragraph 3.1	calibration without an electrometer	
Type of calibration	factory calibration	accredited calibration (SSDL)	

Beam quality	Air kerma	Dose to water	Kerma length product	Kerma area product	U [kV]	HVL [mm Al]	Standard
TH50	N_K		N_{KLP}	N_{KAP}	50	2.3	DIN 6809-5
TH70	N_K		N_{KLP}	N_{KAP}	70	3.1	DIN 6809-5
TH100	N_K	$N_{D,w}$	N_{KLP}	N_{KAP}	100	4.6	DIN 6809-5
TH120	N_K	$N_{D,w}$	N_{KLP}	N_{KAP}	120	6.3	DIN 6809-5
TH140	N_K	$N_{D,w}$	N_{KLP}	N_{KAP}	140	8.3	DIN 6809-5
TH150	N_K	$N_{D,w}$	N_{KLP}	N_{KAP}	150	11	DIN 6809-5
TH200	N_K	$N_{D,w}$		N_{KAP}	200	15	DIN 6809-5
TH250	N_K	$N_{D,w}$		N_{KAP}	250	17	DIN 6809-5
TH280	N_K	$N_{D,w}$		N_{KAP}	280	19	DIN 6809-5
TW20		$N_{D,w}$			20	0.12	DIN 6809-4
TW30		$N_{D,w}$			30	0.37	DIN 6809-4
TW40		$N_{D,w}$			40	0.73	DIN 6809-4
TW50		$N_{D,w}$			50	1.0	DIN 6809-4
TW70		$N_{D,w}$			70	3.1	DIN 6809-4
TW100		$N_{D,w}$			100	4.7	DIN 6809-4
RQR2	N_K		N_{KLP}	N_{KAP}	40	1.4	IEC 61267
RQR3	N_K		N_{KLP}	N_{KAP}	50	1.7	IEC 61267
RQR4	N_K		N_{KLP}	N_{KAP}	60	2.2	IEC 61267
RQR5	N_K		N_{KLP}	N_{KAP}	70	2.5	IEC 61267
RQR6	N_K		N_{KLP}	N_{KAP}	80	3.0	IEC 61267
RQR7	N_K		N_{KLP}	N_{KAP}	90	3.4	IEC 61267
RQR8	N_K		N_{KLP}	N_{KAP}	100	3.9	IEC 61267
RQR9	N_K		N_{KLP}	N_{KAP}	120	5.0	IEC 61267
RQR10	N_K		N_{KLP}	N_{KAP}	150	6.4	IEC 61267
RQA2	N_K		N_{KLP}	N_{KAP}	40	2.2	IEC 61267
RQA3	N_K		N_{KLP}	N_{KAP}	50	3.8	IEC 61267
RQA4	N_K		N_{KLP}	N_{KAP}	60	5.3	IEC 61267
RQA5	N_K		N_{KLP}	N_{KAP}	70	6.8	IEC 61267
RQA6	N_K		N_{KLP}	N_{KAP}	80	8.1	IEC 61267
RQA7	N_K		N_{KLP}	N_{KAP}	90	9.2	IEC 61267
RQA8	N_K		N_{KLP}	N_{KAP}	100	10	IEC 61267
RQA9	N_K		N_{KLP}	N_{KAP}	120	12	IEC 61267
RQA10	N_K		N_{KLP}	N_{KAP}	150	13	IEC 61267
RQT8	N_K		N_{KLP}	N_{KAP}	100	7.0	IEC 61267
RQT9	N_K		N_{KLP}	N_{KAP}	120	8.5	IEC 61267
RQT10	N_K		N_{KLP}	N_{KAP}	150	10	IEC 61267