



Calibration Request for Measuring Systems in terms of $N_{D,w}$ (high energy x-ray and electron 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 ISO/IEC 17025: 2017-11 Chapter 7.8.4.3, a calibration certificate shall not contain any recommendation on the calibration interval, except where this has been agreed with the customer.

The calibration will be performed according to the IAEA TRS-398 dosimetry protocol. Calibrations according to other national and international dosimetry protocols are available upon request.

Please include chamber waterproof sleeves for non-waterproof chambers.

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.

If you are sending more than one electrometer, please submit a separate request for each electrometer and specify the chambers to be calibrated together with the electrometer in the respective request.



3.2 Ionization chambers

Chamber A

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	accredited calibration (SSDL) only		

Beam type and quality		Calibration requested	$TPR_{20,10}$	R_{50} [g·cm ⁻²]	SSD [cm]	Field size [cm ²]	Calibration depth [cm]
Co-60		$N_{D,w}$			100	10×10	5
High energy x-ray	6 MV	$N_{D,w}$	0.69		100	10×10	10
High energy x-ray	10 MV	$N_{D,w}$	0.75		100	10×10	10
High energy x-ray	15 MV	$N_{D,w}$	0.77		100	10×10	10
Electrons	6 MeV	$N_{D,w}$		2.4	100	20×20	1.38
Electrons	8 MeV	$N_{D,w}$		3.2	100	20×20	1.81
Electrons	10 MeV	$N_{D,w}$		4.0	100	20×20	2.35
Electrons	12 MeV	$N_{D,w}$		4.7	100	20×20	2.77
Electrons	15 MeV	$N_{D,w}$		6.0	100	20×20	3.54

Chamber B

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	accredited calibration (SSDL) only		

Beam type and quality		Calibration requested	$TPR_{20,10}$	R_{50} [g·cm ⁻²]	SSD [cm]	Field size [cm ²]	Calibration depth [cm]
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