

Calibration Request for Measuring Systems in terms of ND,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:

I would like to receive a quote.

2. Official Authorization

Name: Date: Signature:

Please fill and submit the form using the submit button or e-mail the file to service-emea@iba-group.com (subject: Calibration Request). Thank you for your request!

Comments:

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

Note: According to DIN EN ISO/IEC 17025:2018 Chapter 7.8.4.3 a calibration certificate or calibration label shall not contain any recommendation on the calibration interval, except where this has been agreed with the customer. DIN EN ISO/IEC 17025:2018 is a German adoption of ISO/IEC 17025:2017.

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.

The polarity and measuring range used during the calibration at the IBA SSDL are reported in the calibration certificate. If the instrument is used with a different polarity or measuring range from those listed in the calibration certificate, the user is advised to determine the effect of these differences and decide on their effects on the measurements. Additional information on these effects and ways to correct for them can be found in IAEA TRS-398.

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 Item to be Calibrated

Display device (electrometer, maximum 1):

Serial №	
Manufacturer	
Model/Type	

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.

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 above	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	$N_{D,w}$		2.50	100	20×20	1.40
Electrons	8 MeV	$N_{D,w}$		3.45	100	20×20	1.97
Electrons	10 MeV	$N_{D,w}$		4.10	100	20×20	2.36
Electrons	12 MeV	$N_{D,w}$		4.81	100	20×20	2.78
Electrons	15 MeV	$N_{D,w}$		6.04	100	20×20	3.53

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 above	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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