



Physikalisch-Technische Bundesanstalt
National Metrology Institute

Order form for calibration or test of active dosimeters or secondary standards for photon radiation

Only active dosimeters and secondary standards will be calibrated which largely meet the current technical requirements with regard to the measurements to be carried out (PTB requirements resp. international standards, e.g., ISO 4037-2, IEC 60846, IEC 61526). The customer will obtain a Calibration Certificate with a test mark. In addition, tests can be carried out according to prior agreement. The customer will obtain a Test Report.

Contact person at Department 6.3 of PTB

Dr. Hayo Zutz, phone: +49 531 592-6310, e-mail: CaliSievertPhoton@ptb.de.

Shipping address of PTB

Physikalisch-Technische Bundesanstalt
Fachbereich 6.3
Bundesallee 100
38116 Braunschweig
Germany

Customer (address for the Calibration Certificate or Test Report):

Company / Organization:

Street:

Post-/ZIP-code:

Town:

Country:

Contact person:

Phone:

E-mail-address:

VAT identification number:

Return shipping address

As customer (page 1)

Other shipping address:

Company / Organization:

Street:

Post-/ZIP-code:

Town:

Country:

Contact person:

Phone:

E-mail-address:

Method of shipment

Collection will be arranged by the customer.

Other method of shipment:

Form of shipment

Special requirements for the form of shipment:

Value of goods

Value of goods in Euro:

Mandatory information for customs clearance

On the delivery documents (delivery note, proforma invoice and consignment note) the goods tariff number and the EORI number of PTB (DE2812983) must be indicated.

Notice:

Please additionally put a copy of the proforma invoice and the consignment note in the package.

Billing address

As customer (page 1)

As shipping address (page 2)

Other billing address:

Company / Organization:

Street:

Post-/ZIP-code:

Town:

Country:

Contact person:

Phone:

E-mail-address:

Details for sending the invoice (Please be sure to specify!)

Paper form

E-Mail as pdf

E-Mail as xml file

E-Mail-address for sending the invoice:

Routing ID (specification required for: "E-Mail as xml file"):

General specifications concerning the dosimeter

Dosimeter type (appears in the Calibration Certificate or Test Report):

Manufacturer of the dosimeter (appears in the Calibration Certificate or Test Report):

Measured quantity:

$H_p(10)$	Personal dose equivalent at a depth of 10 mm
$H_p(3)$	Personal dose equivalent at a depth of 3 mm
$H_p(0,07)$	Personal dose equivalent at a depth of 0.07 mm
$H^*(10)$	Ambient dose equivalent
$H'(3;\Omega)$	Directional dose equivalent at a depth of 3 mm
$H'(0,07;\Omega)$	Directional dose equivalent at a depth of 0.07 mm
$\dot{H}^*(10)$	Ambient dose equivalent rate
$\dot{H}'(3;\Omega)$	Directional dose equivalent rate at a depth of 3 mm
$\dot{H}'(0,07;\Omega)$	Directional dose equivalent rate at a depth of 0.07 mm

PTB-approved:

No

Yes

If yes, registration mark or number of the certificate:

Measured value display:

on the dosimeter / display unit

via a computer

Specify additional components with serial number that will be made available to PTB as a loan and free of charge until the completion of the order:

Instructions of use or technical description

PC-software and version number:

Reference point and reference direction
(if applicable, drawing or reference to page in the instructions for use):

Surface of the dosimeter

Geometric center of the dosimeter

Own specification:

Energy and angular dependence

Please state the desired dose rate:

Please state the desired dose:

Please select the desired radiation qualities in conformity with ISO 4037-1.

Please enter the angles between the reference direction and the beam axis.

Angles only from 0° to ±75° in steps of 15° possible, specify deviating dose if necessary:

N-15 ($\bar{E} = 13$ keV)

N-20 ($\bar{E} = 17$ keV)

N-25 ($\bar{E} = 20$ keV)

N-30 ($\bar{E} = 24$ keV)

N-40 ($\bar{E} = 33$ keV)

N-60 ($\bar{E} = 48$ keV)

N-80 ($\bar{E} = 65$ keV)

N-100 ($\bar{E} = 84$ keV)

N-120 ($\bar{E} = 101$ keV)

N-150 ($\bar{E} = 118$ keV)

N-200 ($\bar{E} = 165$ keV)

N-250 ($\bar{E} = 207$ keV)

N-300 ($\bar{E} = 248$ keV)

S-Cs ($\bar{E} = 662$ keV)

S-Co ($\bar{E} = 1,25$ MeV)

R-C ($\bar{E} = 4,4$ MeV)

R-F ($\bar{E} = 6,7$ MeV)

Further measurements

Yes

Not applicable

Detailed description (if necessary, please use separate sheets):

Total number of measurements

Total number of measurements $\bar{E} < 2 \text{ MeV}$:

Total number of measurements $\bar{E} > 2 \text{ MeV}$:

Note: Prices according to the “Price List of PTB”:

2244 €	basic fee
306 €	per measuring point for radiation qualities up to 2 MeV
1632 €	for the first measuring point above 2 MeV
969 €	for each further measuring point above 2 MeV

A measuring point comprises a radiation quality and an angle, i.e., measurements at the same radiation quality, but at different angles are considered as several measuring points.

The amounts are net prices excluding value added tax. All fees and costs exclude the statutory value-added tax.

Note concerning the costs:

All tasks within the scope of this order will be billed based on the prices according to the “Price List of PTB”. The valid prices which momentarily apply to Department 6.3 are published on the Internet under:

<https://www.ptb.de/cms/en/ptb/fachabteilungen/abtz/z14/fees-and-charges.html>

The costs are not legally binding. Expenses which significantly exceed the usual figures are billed according to the hourly rates published in the “Price List of PTB”. In such cases, PTB will consult the customer in beforehand.

The General Terms and Conditions of Business (AGB) of PTB apply:

<https://www.ptb.de/cms/en/metrological-services/terms-and-conditions.html>

The applicant's general terms and conditions cannot be accepted even if he explicitly refers to them.

The provision of certain personal data is necessary for your order to be processed (contact person). For information on PTB's handling of such data, see

<https://www.ptb.de/cms/en/service-seiten/data-protection.html>.

Hereby, the customer bindingly orders the Physikalisch-Technische Bundesanstalt Braunschweig (PTB) to carry out measurements as stated above.

Place:

Date:

Stamp, signature: