

SOURCECHECK^{4π} Well-type chamber



Well-type ionization chamber for source strength measurements in brachytherapy

Features

- ▶ Measures low energy seeds and high energy afterloading sources
- ▶ Measures all sources in a full 4π geometry
- ▶ Adapters for all commercial afterloading devices and seeds
- ▶ User friendly accessories for fast and safe handling
- ▶ Compatible to high class PTW dosimeters
- ▶ Calibration for Ir-192, Co-60 and for I-125 available

The SOURCECHECK^{4π} well-type ionization chamber is suitable for source strength measurements of all kind of brachytherapy sources. International standards require the measurement of radioactive brachytherapy sources. For HDR afterloading sources an acceptance test after the replacement of the source and additional constancy checks are required. For permanent implanted seeds the typical quality assurance is measuring a defined amount seeds out of a delivered batch.

Various adapters for all kind of afterloading applicators and for different seeds and seed strands are available. The radioactive check source T48010 can be used for constancy checks. The chamber can be calibrated for Ir-192, Co-60 and for I-125.

Ordering Information

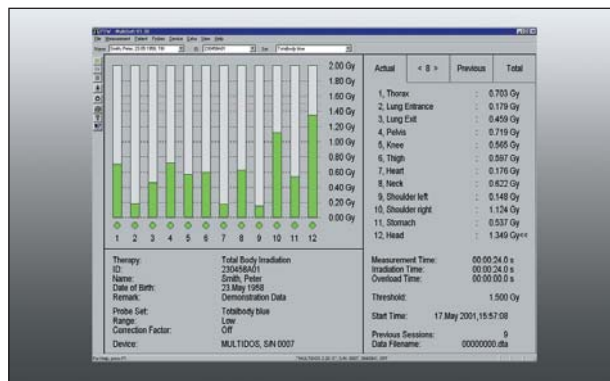
TN33005 SOURCECHECK^{4π}, connecting system BNT
 TW33005 SOURCECHECK^{4π}, connecting system TNC
 TM33005 SOURCECHECK^{4π}, connecting system M

Options

T48010 Check device 90-Sr, point source
 T33005.1.020 SOURCECHECK radioactive check source adapter
 E21272 SOURCECHECK calibration Ir-192
 E21271 SOURCECHECK calibration I-125

Adapters for afterloading applicators, seeds and seed strands upon request

MultiSoft Afterloading Software



Software program for patient dosimetry during radiation therapy with brachytherapy afterloading sources

Features

- ▶ Controls the multi channel dose integration during afterloading treatment and records the measuring data
- ▶ Operates a 5-fold rectum probe and a single bladder probe connected to a multi channel dosimeter
- ▶ Includes patient data base

The Microsoft Windows based MultiSoft software program enables the user to control the multi channel dosimeters VIVODOS and MULTIDOS for afterloading dosimetry and to store patient data together with associated dose values in a database. MultiSoft is prepared to control the measurement with intracavitary afterloading probes for dose measurement in a patient's rectum and bladder, the most critical organs in gynecological brachytherapy. MultiSoft stores user defined probe sets and the associated calibration factors. The measurement screen shows the measurement values of five detectors of the rectum probe and the detector of the bladder probe together with a graphical dose display for all detectors. The detector with the maximum dose is marked. Administrative data including patient data are also shown.

Printouts for each session make it possible to document the treatment in accordance with radiation protection regulations, e.g., the European Council Directive 97/43 on health protection in medicine.

Ordering Information

S090002 MultiSoft afterloading software

- ▶ MULTIDOS Multi Channel Dosimeter *page 30*
- ▶ VIVODOS In-Vivo Dosimeter *page 29*
- ▶ Afterloading Probes *page 32*