

In-Vivo Probes



Semiconductor detectors for in-vivo dosimetry during external radiation treatment with linear accelerators

Features

- ▶ Measure patient dose during external radiotherapy
- ▶ Suitable for any irradiation technique including TBI
- ▶ Types for different beam qualities are available
- ▶ Comply with safety standard IEC 60601-2-9
- ▶ Risk organ diode with homogenous directional response available

The semiconductor probes for in-vivo dosimetry are fixed to the patient's body to measure the patient skin, entrance or exit dose during external radiation treatments. Additionally a risk organ diode with increased sensitivity and homogenous directional response is available. Three different detector types with integrated build-up caps for photon energies from ^{60}Co to 25 MV and one type for electron measurements are available. The detectors do not require a bias voltage. They have a connection cable of 4 m length with BNC connector.

Ordering Information

In-vivo semiconductor probes

- T60010L In-vivo semiconductor probe, ^{60}Co to 5 MV
- T60010M In-vivo semiconductor probe, 5 MV to 13 MV
- T60010H In-vivo semiconductor probe, 13 MV to 25 MV
- T60010E In-vivo semiconductor probe, electrons
- T60010RO In-vivo semiconductor probe for risk organ monitoring
- T16009 In-vivo detector connection box, 12 x BNC
- T26024-20 Connection cable for connection box to the dosimeter, 20 m

Options

- L981064 Cable installation set, 20 m
- T16006.1.001 C-Box for wall mounting, 2 units required
- ▶ MULTIDOS Multi Channel Dosemeter *page 32*
- ▶ VIVODOS / VIVODOS E In-Vivo Dosemeter *page 31*
- ▶ VivoSoft In-Vivo Software *page 34*