



Optimized for measurement of PET nuclides (e.g. ¹⁸F or ⁶⁸Ga)

Features

Gamma channel:

- Sensitivity for ¹⁸F* ≥ 2,500 cps/MBq
- Spatial resolution: Full Width at Half Maximum (FWHM) ¹⁸F* ≈ 13 mm
- Energy area gamma radiation: 60 ... > 1,000 keV

Beta channel:

- Sensitivity for ¹⁸F** ≥ 60,000 cps/MBq
- FWHM resolution for ¹⁸F** ≈ 7 mm
- Energy area beta radiation: ≥ 50 keV

*511 keV-γ **633 keV-β

Description

PET-Probe with new measurement concept: Simultaneous measurement of PE-gamma (511 keV annihilation radiation) and beta radiation (633 keV-β; positrons)

- Gamma channel: rough localization of hotspot
- Beta channel: detection with high FWHM

Measurement of all PET nuclides e.g. ¹⁸F, ⁶⁸Ga radiation

Size of probe:

- Length: 252 mm
- Ø probe: 18 mm
- Weight: 205 g

Application

- Direct tumor resection with the help of PET nuclides (¹⁸F, ⁶⁸Ga)
- Intra- and extraoperative procedures
- Application in clinics with nuclear medicine and research

Order No.

509111

Product and delivery

- Wireless PET-Probe
- 12.1" panel PC with touchscreen and USB connection
- Measurement and navigation software for PET-Probe
- Metal table tripod, power cable, li-ion batteries
- User manual
- Aluminum wheeled case

Product characteristics

- Ergonomically designed wireless stainless steel probe
- Big 30.7 cm (12.1-inch) touchscreen panel PC
- Bluetooth™ connection between probe and panel PC
- Gamma channel thresholds freely selectable between 60 and 1.000 keV
- Point source holder available as accessory
- Measurement recording for additional quality control
- Different user profiles can be stored
- Various graphic and acoustic display modes
- High noise immunity against high frequency noise sources and mechanical exposure
- Panel-PC on table tripod, mobile stand available as accessory
- Very low energy consumption: battery life span > 65 operating hours, customary batteries manually changeable

Accessories

- Mobile stand with stainless steel shelf
- Source holder
- Li-ion batteries
- Sterile coatings for probe and panel PC

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Version 2013-02-08