

(201) 825-9500 / (800) 631-3826

Europrobe3

proven performance- elegant simplicity-
unsurpassed versatility

The EuroProbe3 has been specifically designed to meet the needs of surgeons and nuclear medicine physicians. It will enable you to precisely and accurately detect areas of increased radionuclide uptake pre-operative and percutaneously. EuroProbe3 is unsurpassed in its ability to detect a wide range of isotopes. You will be impressed with its elegant simplicity, the result of utilizing the most advanced microprocessor technology in the design of the control module... one button activation... nothing could be easier.

The EuroProbe3 is designed to provide you with the ultimate in flexibility and choice. Choose from a wide variety for ergonomically designed probes that are compact, lightweight and easy on your hands.

The EuroProbe3 control module can be used in the automatic mode or you can customize all settings and functions to meet your specific needs and preferences.

The EuroProbe3 incorporates the powerful performance capabilities and features you require. It is reliable, accurate, compact, easy-to-use and transport with a built in carrying handle and integrated probe holder. The EuroProbe3 gives you a choice of displays. Choose the extra large digital display and/or two analog displays located on the upper section of the control unit. The large, easy to read displays give you a crystal clear view of all information.

Detector Features

- High efficiency solid state and scintillation detectors operating at room temperature.
- High sensitivity and target to background ratio.
- Hot swappable.
- Can be sterilized with Ethylene Oxide gas.
- Preferred ergonomic angled design.
- Integrated tungsten collimator.
- Additional detachable collimator is available.
- All probes are waterproof.

Control Unit Features

- Direct read-out (digital and bar-graph type) through large, easy to read display.
- Pre-set or user definable energy window setting for ultimate flexibility.
- Choice of two types of audible signals proportional to counting rate.
- Both probes are standard.
- Easily switch between probes.
- Store up to 9 custom configurations.
- Built in background subtraction.
- Choice of bent or straight probes.
- Automatic probe identification.
- PC port.
- Optional foot switch.

Additional optional convenience items are also available:

- Footswitch activation enables you to start counts without touching the read-out module
- Download data to a PC via a serial link



EuroProbe3 Specifications

- Operating Power: 115VAC, F=50Hz, I= 0.5A or 230VAC, F=50HZ, I= 0.250A
- Power Consumption: Max. 15 watts
- Maximum Counting Rate: 15,000 cps/s
- Operating Temperature Range: +15°C to +40°C
- Dimensions: 245mm H x 233mm W x 270 mm D
- Weight: 4.4 lb. (2 kg)

CdTe or CdZnTe probe: "small" J139 probe

- Semiconductor crystal either CdTe or CdZnTe: 5x5x3mm³ CdTe or CdZnTe (Cadmium Telluride)
- Energy range: 20 to 300 keV (can also be used from 170 to 364 keV, but the detection efficiency within this range is better with the CsI probe)
- Detector efficiency for I-125 (27-35 keV): > 80%
- Detector efficiency for Tc- 99m (140 keV): > 60%
- Storage Temperature: +1°C to +40°C
- Operating Temperature Range: +15°C to +40°C
- Final Size of the Probe: Length = 175mm, detection head diameter = 11 mm. Slightly angled to permit easier access to certain tissues. The collimator is an integral part of the probe.
- Weight: 5 oz. (140 g) (excluding cable)
- Maximum ambient humidity for good operation: 80% at 40°C

CsI probe: "large" probe

- Scintillator: Diameter = 5 mm, Length = 10mm CsI (T1) crystal coupled to a 25 mm² Silicon photodiode
- Energy Range: 100 keV to 1 MeV
- Detector Efficiency for Tc- 99m (140keV): > 80%
- Detector Efficiency for In-111 (245keV): > 70%
- Detector Efficiency for I-131 (364keV): > 45%
- Storage Temperature: +1°C to +50°C
- Operating Temperature Range: +15°C to +50°C
- Final Size of the Probe: Length = 184mm, detection head diameter = 16 mm. Slightly angled to permit easier access certain tissues. The collimator is an integral part of the probe.
- Weight: 6.2 oz. (175 g) (excluding table)
- Maximum ambient humidity for good operation: 80% at 40°C

EuroProbe3 Surgical Probe, (CdTe), Straight	5250-0117
EuroProbe3 Surgical Probe, Cs(I), Bent	5250-0118
EuroProbe3 Surgical Probe, Cs(II), Straight	5250-0119
EuroProbe3 Surgical Probe, CsI, High Sensitivity	5250-0120
EuroProbe3 Surgical Probe, Endoscopic	5250-0121
Source Holder	5250-0122
511 Collimator, CsI	5250-0125
Collimator, CdTe	5250-0112
Collimator, CSI	5250-0113
EuroProbe3 Surgical Probe, CdTe, Bent	5250-0116