

## Probes and Collimators

### OmniProbe®

The OmniProbe® collimator is optimised for the most common procedures like breast (axillary) sentinel lymph node Biopsy.

Our OmniProbe Lechner Collimator narrows directionality further with a smaller aperture and is optimal for head-neck procedures or others where subjects are often overshadowed by the injection site.

In addition to the OmniProbe® the C-Trak Apollo System can be fitted with alternative probes for specialist applications.

- OmniProbe® is available in either straight or angled orientation.
- OmniProbe® PET used for detecting FDG and other PET emitting isotopes.
- OmniProbe® EL for Laparoscopic use (available in 0°, 20° or 90°).



### Specification for Standard OmniProbe®

Energy Range	27 - 364 keV
Length / Width	170 x 15 mm
Weight	140 g
Sensitivity	>1300 CPS/MBq for Co-57 (distance of 30 mm in scatter)
Side Shielding	> 99.9%@140 keV
Probe Tip Diameter	15 mm with collimator, 11 mm without collimator

CSI (Caesium Iodide) detection technology. Superior patented collimator technology.

### Specification for C-Trak Apollo Wireless Handset

Battery	Rechargeable Li-ion
Battery Life	Typically 4 h continuous use (sleep mode for battery conservation)
Battery Recharge Time	2 hours using dock

## Optional Accessories

- Apollo Wireless Handset.
- Mobile workstation to store all system components.
- Printer for efficient record keeping.
- Foot pedal for optional use with wired probe system.



## Service and Support

Care Wise understand the need for outstanding services to minimise instrument downtime and maximise reliability. The most cost effective way to do this is through our service contracts, which include:

- Annual Preventative Maintenance (return to base) – Annual preventative maintenance checks on your instrument to ensure system reliability.
- 50% discount on parts and labour for repairs due to accidental damage.
- Protection against mechanical failures (repair at no cost) – Should your system suffer mechanical failure Care Wise will provide a full repair at no additional cost.
- Loan units at no charge should your components ever require repair (subject to availability) – Care Wise will send you a loan instrument whilst maintenance work is being carried out on yours to ensure there is no instrument downtime.
- A new calibration check source after 18 months.

## ISO Certified

Southern Scientific Ltd is certified to ISO 9001 and ISO 13485 representing the high level of quality assurance and management that we provide at every stage of the supply process, whether a product is distributed on behalf of our trusted manufacturers or constructed in our UK workshop. This accreditation means that our customers can place an order knowing that the delivered product will be suitable for its intended use, fully compliant with EU legislation and in full working order.

All our products are CE marked.

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# C-Trak Apollo

Wireless/Wired Gamma Probe  
 for radio guided surgery





## Superior directionality and complete flexibility.

The C-Trak Apollo gamma probe allows for the detection of radiation during sentinel node biopsies, parathyroid and tumour localisation. The C-Trak Apollo's distinctive feature is our superior sensitivity and directionality, but now we also offer wired or wireless connectivity with the same probe allowing for complete flexibility.

Using our proven and well respected OmniProbe® the Apollo allows for accurate and precise detection of various isotopes. Its superior directionality allows for less invasive dissections and in turn faster patient recovery.

Software for the C-Trak Apollo has been re-imagined, with several new features including autoranging capabilities, choice of four audible signals, easier switching between isotopes (such as Tc-99m and I-125), storage of calibration tests and prompts for renewing calibration sources.

### Key Features

- Wireless or wired probe connectivity to meet all preferences.
- Easy switching between wired and wireless modes.
- Four audible signals.
- Start timed count from Apollo handset.
- Storage of timed counts eliminating the need for manual transcription.
- Large touchscreen display for maximum visibility.
- Manual or Auto-range capabilities.
- Max count feature.
- Fast calibration and enhanced diagnostics quickly ensure correct functioning.
- Multiple probes can be stored within the software for use in a range of procedures.

**Easy switching between wired and wireless modes**

**Large Touchscreen Display**  
Provides maximum visibility.

**Large Count Range**  
Up to 100,000 cps for pinpointing high activity sources such as I-125 seeds.

**Energy Threshold and Window Technology**  
For a variety of isotopes including Tc-99m and I-125 in radioactive seed localisation.

**Stored Timed Counts**  
Storage of timed counts eliminating the need for manual transcription.

**Charging Dock**

## Superior Directionality

The directionality of a gamma probe is not only determined by the collimation, but the energy of the gamma rays. Incoming gamma rays are deflected by scattering within the tissue. This scattered radiation, known as **Compton Scattering**, can give a false representation of where the specimen of interest is, especially if deep within the tissue.

The C-Trak Apollo system uniquely eliminates scattered radiation, therefore providing superior directionality. The surgeon can then dissect in the right direction to find the tissue of interest, making smaller incisions and dissecting less healthy tissue in the process.

