



CENNA-500W

GAMMA PROBE SYSTEM

SENTINEL LYMPH NODE BIOPSY – SIMPLICITY MEETS INNOVATION

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Discover the **CENNA-500W** wireless gamma probe system specifically designed for Sentinel Lymph Node Biopsy - SLNB. It combines the latest technologies and exceptional ease of use for efficient detection.

With superior measurement and operation features and the unique ability to perform automatic quality control, the new **CENNA-500W** is your reliable partner for your radioguided surgery.

CENNA-500W GAMMA PROBE SYSTEM

The CENNA-500W Wireless Gamma Probe System is designed using the latest and most innovative technology to address users' greatest challenges for successful SLNB.

The system features an ergonomic 7" touchscreen display to ensure optimal visibility from anywhere in the operating room. The clear menu navigation allows intuitive control and includes all functions for the best possible use of the handheld probe:

- Large display of the current count rate
- Display of the max. count rate
- Function to sum up the detected counts over 10 seconds
- Selection between different isotopes
- Battery display for control unit and hand probe

The control unit establishes an automatic wireless connection to the probe used. No initialization or calibration is necessary, the system is immediately ready for use.



FUNCTIONAL DESIGN WITH HIGH USER- FRIENDLINESS

- Compact design with a weight of only 3 kg for comfortable transportation
- Integrated probe holder to avoid loss of the handheld probe
- Operation via rechargeable batteries (up to 7 h) or via power supply unit
- Special housing design to ensure easy and efficient disinfection



WIRELESS PROBE P-500SW

Comfortable and reliable detection

The P-500SW handheld probe is an innovative wireless probe for SLN diagnostics, made of bio-compatible materials.

The probe has excellent resolution and an integrated photomultiplier that reliably localizes even complexly located lymph nodes through increased sensitivity.



The hand probe is operated by **rechargeable batteries**, which guarantee up to 10 hours of use. Thus, a constant reordering of batteries is no longer necessary.

The latest technology used for wireless data transmission enables:



Stable transmission of data over a distance of up to 10m



Highest protection against external interferences and other influences



No cross-connections to other hand probes

PRECISE. RELIABLE. ERGONOMIC.



Functional Button

The function key on the handheld probe is a real innovation for healthcare professionals. With just one press of the button, you can easily use functions and modes to get the readings you need.

With the help of the button you can switch between the count measuring ranges, activate the 10-second summation function or execute the AutoRange function.



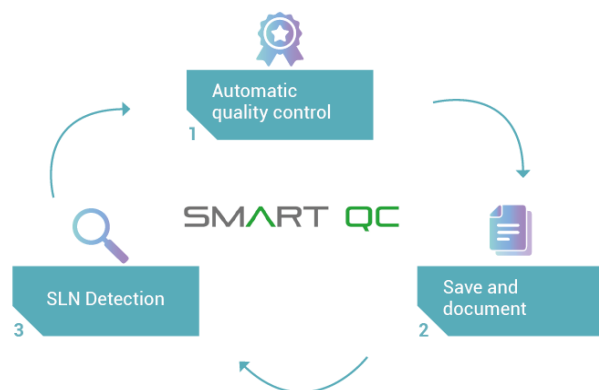
Also available as an angled probe for optimal detection, even in hard-to-reach areas (P-500AW).

A NEW KIND OF PRODUCTIVITY WITH SMART QC

With our proven and established SMART-QC function, it is possible to perform the quality control process automatically. This unique function will save time that can be used for new ideas and more productive work.

A press of a button and all relevant data for the quality control are recorded and automatically saved:

- Automatic performance of the quality control for the measurement of sensitivity and background
- Immediate feedback on whether the quality limits have been met
- Automatic execution of the acceptance test with storage of the values
- No more manual filling of spreadsheets
- Improved step-by-step guidance through the quality control process to create confidence and simplicity
- Complete documentation of all measured values
- The decay correction of the test source is calculated automatically



SMART QC

TECHNICAL INFORMATION



Control unit CENNA-500W

Display	7" Touchscreen Display
Max Power Input	24W
Max current consumption	2A at 12V
Power Supply	12V DC
Sound Output	1W built-in speaker
Cooling	Fanless
Power supply voltage input	100 to 240V AC at 50/60 Hz.
Accumulators	2x 6600mAh 3.7V
Operating time at max. charge	approx. 6 ½ hours
Degree of protection against electric shock	Typ BF
Classification	IP 20
E-Field emission	Hospital operation
Weight	3kg
Dimesnion	250 x 250 x 170mm (LxWxH)
Housing Material	Polystyrene
Power Supply Unit	External - Input: 100V-240V 50-60Hz 1A / Output: 12V 3A
Functions	10 seconds summation function, Max CPS display, Autorange function

Wireless Probe P-500SW

Detector Type	CsI(Tl)-Crystal with Photomultiplier
Energy range	25-511 keV
Background sensitivity	< 30 cts in 30s (depending on environment)
Sensitivity	20 cps/kBq +/- 20%, Activity > 100 kBq
Crystal shielding	3 mm wall thickness. Material: Tungsten
Collimator	40° FWHM / Side shielding 99.97 % at 140keV
Weight	0.2kg
Dimensions	15 x 210mm (Diameter x Length)
Hosuing material	Stainless steel 1.4404/316L and Polyamed
Angular resolution (40° collimator)	< 40°
Spatial resolution (40° collimator)	12mm
Operating time	approx.10 hours
Battery	800mAh, 3.7V, Li-Ion (Rechargeable)
Max. Range to control unit:	max. 10m
Wireless connection	Radio module 2.4 GHz



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