

LOCalizer[™]

Wire-free guidance system

A wireless radiofrequency identification (RFID) breast lesion system.

The LOCalizer system will potentially enable precision and ease of use for breast surgery guidance.



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Wire-free Guidance System



Convenient Scheduling

Improve scheduling conflicts by implanting the RFID tag into the breast any time prior to the day of surgery.



Mobile Portability

Handheld Reader is suitable for use in both sterile* and non-sterile environments. It can be placed in convenient proximity to the patient.



Distance Gauge in mm

Experience an easy to read screen during the procedure that displays the distance to the Tag.

* Reader must be bagged in sterile drape in a sterile environment.

Technical Specifications

LOCalizer is a wireless radiofrequency identification (RFID) breast lesion system that will potentially enable precision and ease of use for breast surgery guidance.

Handheld Reader Details

The LOCalizer Reader locates and reads (RFID) Tags which have been implanted using the Tag Applicator. The LOCalizer Reader displays the distance between the Tag and the Probe under use. Tag location is also indicated by an audible tone of which the pitch and volume increases in proportion to a decrease in the "LOCalizer to Tag" distance. The LOCalizer Reader is a portable, battery-operated system and is supplied non-sterile.

Dimensions:
 Width = 73.7 mm (2.9 inches)
 Length = 165 mm (6.5 inches)
 Thickness = 22.9 mm (0.9 inches)
 Weight = 206 g

Probe Specifications

Loop Probe (Integrated)

Integrated Loop Probe can be used on the skin surface in sterile and non-sterile environments.

Dimensions:
 inner diameter = 12mm
 outer diameter = 39mm

Max Reading Depth: 6cm**

Average Positional Accuracy: ± 1mm in readings detected from the end of the tag

Surgical Probe

Single-use, sterile, disposable probe used to guide the surgeon to the Tag during the procedure.

Dimensions:
 175mm long
 8mm diameter

Max Reading Depth: 3cm***

Tag Applicator Specifications

Tag Applicator

The Tag Applicator consists of a plastic molded handle and a beveled 12 GA introducer needle with locking plunger.

Dimensions: Needles are provided in approximately 5, 7, or 10cm lengths and include 1cm depth reference marks.

Tag

Each Tag has a unique ID # and includes a polypropylene sheath designed to help prevent migration in tissue.

Dimensions:
 10.6mm long
 2mm diameter



** Average Positional Accuracy: ± 1mm in readings detected from the end of the tag
 *** As measured from end of the Surgical probe to end of Tag