Model L-045
Brachytherapy QA Phantom

Introduction

The Brachytherapy QA Phantom is designed for transrectal ultrasound QA and calibration of Brachytherapy systems. It includes targets to evaluate volume measurements, internal grid accuracy, and probe retraction accuracy.

When scanning toward the top of the phantom, a partial grid of wires appears. These wires should line up with the grid that appears on your screen, thus ensuring correct vertical and horizontal distance measurements. The phantom includes 13 monofilament targets and 5 probe retraction targets. Three different larger target volumes, two spherical and one oval, are also included.

The phantom material is made of Zerdine®, a reliable medium that provides repeatable qualitative assessments of the ultrasound scanner over time.

A rugged carrying case is included.

Part Number 99-9015

Specifications

SPEED OF SOUND: 1540 m/s +/- 10 m/s
ATTENUATION COEFFICIENT: 0.50 +/- 0.05 dB/cm-MHz
SIZE: 15.2 x 11.4 x 11.4 cm (6 x 4.5 x 4.5 in.) (L x W x H)
WEIGHT: 1.5 kg (4 lb)

Model L-049
Elasticity Ultrasound QA Phantom

Introduction

The Elasticity QA Phantom is designed to provide users with targets of known hardness. The phantom contains four each of 10 mm and 20 mm diameter spheres of varying hardness relative to the background material. The spheres are located at depths of 15 mm and 35 mm. They will appear almost isoechoic to the background using standard B-Mode Imagine.

The phantom is housed in a durable ABS material with a flexible scanning surface. The surface material is manufactured from Zerdine®, whose properties can be controlled independently of its acoustic properties. The phantom is a reliable and consistent elasticity reference tool for researchers, sales demonstrations, and quality assurance testing.

A carrying case is included.

Part Number 99-9014

Specifications

SPEED OF SOUND: 1540 m/s +/- 10 m/s
ATTENUATION COEFFICIENT: 0.50 +/- 0.05 dB/cm-MHz

Ludlum Measurements, Inc.

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Note: specifications subject to change without notification. We are not responsible for errors or omissions.

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