

Ultrasound Phantoms for 2D & 3D Evaluation



Model 555 SET

Designed for compliance with AIUM standards

The 2D & 3D Evaluation Set evaluates measurements taken on ultrasound systems using newer spatial encoding algorithms. This is especially important for current 3-D and 4-D ultrasound systems.

The set consists of two phantoms, the 3D Ultrasound Calibration Phantom Model 055, and The 3D Wire Test Object Phantom model 055A. Both phantoms contain Zerdine® and are in ABS containers that minimize desiccation.

The test procedures using both phantoms are described in the

AIUM publication “Standard Methods for Calibration of 2-Dimensional and 3-Dimensional Spatial Measurement Capabilities of Pulse Echo Ultrasound Imaging Systems”.

The Model 055 3D Ultrasound Calibration Phantom is a volumetric target phantom and contains a small egg and a large egg. There are two scanning surfaces and the targets are off centered within the background material. Depending on the side scanned, the test objects are located at distances ranging from 2 to 6 cm from the scanning surface.

The Model 055A 3D Wire Test Object is a wire-target phantom used to measure linear and curved dimensions as well as perimeters, volumes and surface areas. It may also be used to determine image uniformity and depth of penetration.

Models 055 and 055A can be purchased separately.

