



## Model 532 A & B Contrast Detail Resolution Phantom



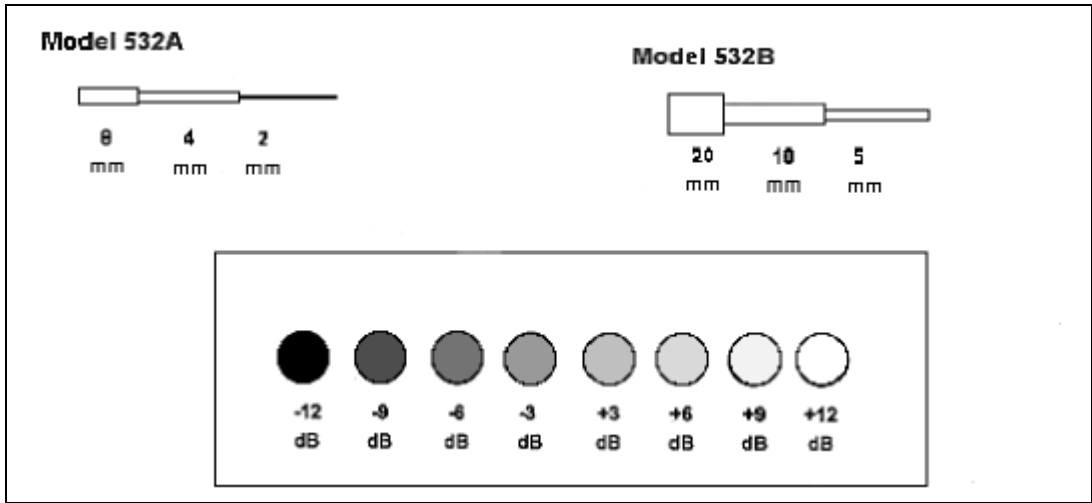
### Product Description

The Models 532A and 532B Contrast Resolution phantoms are composed of a rubber-base tissue-mimicking material. These models are provided with a built-in scanning well to permit the use of water or a low viscosity gel as a coupling medium.

The Contrast Resolution phantoms are designed to evaluate an imaging system's gray scale processing and displayed dynamic range. Both models provide three target sizes at eight levels of contrast, ranging from -12 to +12 dB/cm/MHz relative to the background material. The difference between the models is the size of the targets. The Model 532A contains 2, 4 and 8 mm diameter cylindrical targets. Model 532B contains cylindrical targets 5, 10 and 20 mm in diameter. **Lifetime warranty.**

### TESTS PERFORMED

- Gray Scale
- Displayed Dynamic Range
- Image Uniformity
- Tissue Harmonic Imaging Compatibility
- Functional Resolution



## SPECIFICATIONS

### General

Overall dimensions	28.5 x 14 x 14.5 cm
Weight	3.1 Kg
Scan Surface	2
Scan Surface Dimensions	27 x 11 cm

### Tissue Mimicking Material

Type	Urethane rubber
Freezing Point	<-40°C
Melting Point	>100°C
Speed of Sound	1450 m/s $\pm$ 1.0% at 23°
Attenuation Coefficient	0.5 dB/cm/MHz $\pm$ 5.0%

### Gray Scale Target Structures

Type	Echogenic cylindrical
Diameters	2, 4, 8 mm 5, 10, 20 mm
Model 532A	
Model 532B	
Depth	7.4 & 3.5 cm $\pm$ 1.0 mm
Contrast relative to the background material (dB)	+12,+9, +6, +3, -3, -6, -9, -12

### WARRANTY Lifetime

\*Nominal dimensions

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