

Contrast Detail Resolution Phantom

Models ATS 532A & B



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.

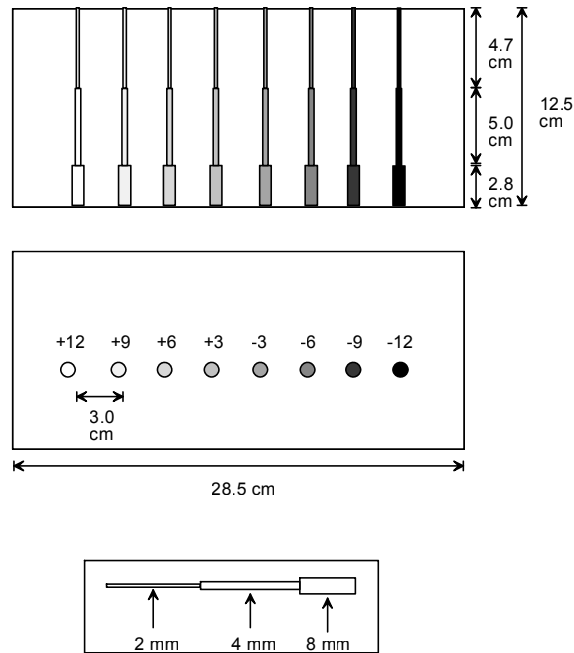
The Contrast Resolution phantoms are designed to evaluate an imaging system's gray scale processing and displayed dynamic range. Both models provide three target sizes at eight levels of contrast, ranging from -12 to +12 dB relative to the background material. The difference between the models is the 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. All ATS urethane phantoms are guaranteed for the useful life of the phantom, defined as 10 years.

Key Tests with Model ATS 532

- Uniformity
- Displayed Dynamic Range
- Contrast Resolution
- Grayscale Contrast Sensitivity
- Tissue Harmonic Imaging Compatibility

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SPECIFICATIONS

DIMENSIONS	28.5 x 14 x 14.5 cm (11" x 6" x 6")
PHANTOM WEIGHT	7 lbs. (3.1 kg)
HOUSING MATERIALS	PVC
SCAN SURFACES	2
SCAN SURFACES DIMENSIONS	27 x 11 cm
TISSUE-MIMICKING MATERIAL	Urethane Rubber

MODEL ATS 532 INCLUDES

QTY	COMPONENT DESCRIPTION
1	Contrast Detail Resolution Phantom
-	10-Year Warranty
-	User Guide
-	Certificate of Compliance

URETHANE PROPERTIES

Freezing point: < -40°C
 Melting point: Above 100° C
 Speed of Sound: 1450 m/s at 23°
 Attenuation Coefficient: 0.5 dB/cm/MHz (measured at 3.5 MHz)

GRAY SCALE TARGETS

Type: Echogenic, Cylindrical
 Number of targets: 8
 Diameter:
 532A: 2, 4, 8 mm
 532B: 5, 10, 20 mm
 Depth: 5, 10, 20 mm
 Contrast (dB): -12, -9, -6, -3, +3, +6, +9, +12

