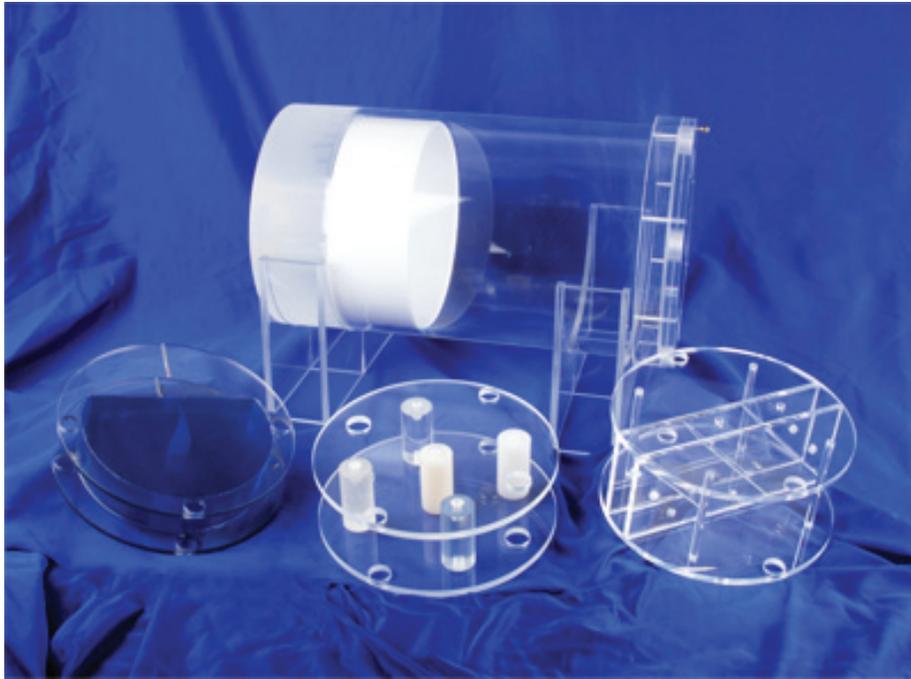


Model L-610 AAPM CT Performance Phantom

Part Number: 99-9414



Introduction

The Ludlum CT Performance Phantom is a modular phantom that provides the user with an efficient method to evaluate the performance of the CT scanners. The 'one' phantom allows for testing of a full range of performance parameters such as noise, spatial resolution, low and high contrast, slice thickness, alignment, and linearity. The phantom design is based on the guidelines provided in AAPM Report #1.

The phantom is made up of an acrylic source tank and several resolution inserts. The inserts include a linearity high contrast insert, beam width insert, low contrast insert and a resolution insert, along with an external resolution and noise ring. Additionally, a 20.3 cm (8.0 in.) ID Teflon® ring, positioned at the base of the tank, is designed to simulate bone density.

Specifications

SOURCE TANK: 21.6 x 20.3 x 32.4 cm
(8.5 x 8.0 x 12.75 in.) (OD x ID x L)

INSERTS (OD x L):

LINEARITY/CONTRAST: 19.1 x 6.4 cm (7.5 x 2.5 in.)

RESOLUTION: 19.1 x 6.4 cm (7.5 x 2.5 in.)

BEAM WIDTH: 19.1 x 8.9 cm (7.5 x 3.5 in.)

LOW CONTRAST: 21.6 x 9.5 cm (8.5 x 3.8 in.)

TEFLON BAND (BONE RING): 20.3 x 0.64 cm
(8.0 x 0.25 in.) (ID x Thickness)

WEIGHT: 7.8 kg (17.3 lb)

Options

- **Model L-610-411** (PN 99-9440): External Whole Body Ring, 30.5 x 21.6 x 6.4 cm (12 x 8.5 x 2.5 in.) (OD x ID x L)
- **Model L-610CS** (PN 99-9414-01): Case