

# Model L-760 & Model L-760-LC1

## Modular X-ray Phantom Kit & Low Contrast Resolution Plate



Ludlum Measurements, Inc.



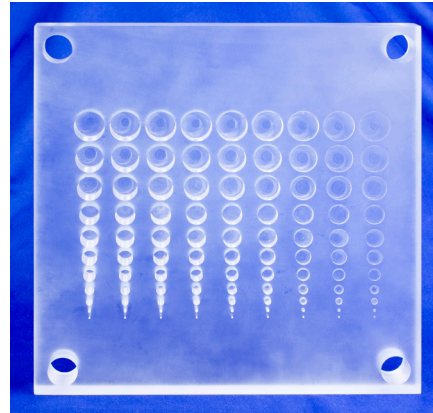
Acrylic Modular X-ray Phantom

### Model L-760 Acrylic Modular X-ray Phantom Kit

The Acrylic Modular X-ray Phantom Kit is made up of a series of acrylic and aluminum plates that provide the attenuation characteristics of various body part thicknesses. Varying the number of acrylic plates and/or spacers can create a simulation of a standard chest, abdomen, skull, or extremity.

This phantom kit is ideal for adjusting automatic exposure controls and automatic brightness controls on diagnostic and fluoroscopic systems. It is also useful for making exposure technique charts for commonly-used projections (per JCAHO requirements).

The acrylic phantoms conform to AAPM recommendations noted in Report #31 (Standardized Methods for Measuring Diagnostic X-ray Exposure) and Report #60 (Instrumentation Requirements for Diagnostic Radiological Physicists).



Low Contrast Resolution Plate

### Model L-760-LC1 Low Contrast Resolution Plate

The Low Contrast Resolution Plate is a test tool designed to evaluate the resolution of digital radiography systems. A key concern of digital radiography is the visibility of low-contrast anatomy due to the potential loss of detail associated with film digitizers, imaging plates, printers, and digital display monitors. This plate offers a simple method to examine the digital system's ability to detect the smallest and shallowest low contrast targets on the plate. A weekly comparison of these images enables the user to maintain the standard of quality (benchmark) for the digital images being produced by the system.

This plate is intentionally made to the same overall size of the Model L-760 Acrylic Modular X-ray Phantom Kit plates. It may be used by itself or with the Model L-760. Using the resolution plate with the Model L-760 allows the user to add more attenuation.

The Model L-760-LC1 is available colorless, with green tint, or with blue tint.

#### Specifications

Part Number: 99-9413

- Five sheets of 25 cm x 25 cm x 2.5 cm thick acrylic
- One sheet of 25 cm x 25 cm x 5.1 cm thick acrylic
- One sheet of 25 cm x 25 cm x 1 mm thick aluminum
- One sheet of 25 cm x 25 cm x 2 mm thick aluminum
- One sheet of 7 cm x 25 cm x 4.5 mm thick aluminum
- Spacers for a 5.1 cm air gap

#### Specifications

Part Number: 99-9450

The Model L-760-LC1 has holes that change incrementally by 2 mm in diameter from the top to bottom and by 2 mm in depth from right to left.

SIZE: 25 x 25 x 2.5 cm (9.8 x 9.8 x 1 in.)

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

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