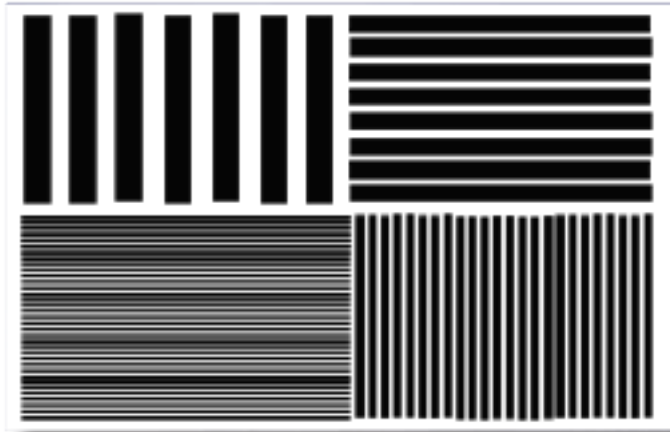


# Model L-820

## Extra Large Quadrant Bar Phantom



Ludlum Measurements, Inc.



### Introduction

The Model L-820 is ideal for daily/weekly QA checks of scintillation camera performance. The Bar and Test Pattern Phantoms measure intrinsic and collimator spatial resolution (ability to see small objects), and spatial linearity (ability to correctly position image data) confirming the gamma camera's overall ability to identify and properly display small anatomic objects.

Each of the sets of parallel lines is precisely machined onto a plastic sheet. The lines are filled (cast) with Cerrobend® high-density metal alloy. This causes the gamma radiation to be attenuated, thereby providing the QA image.

The Phantoms are easy to use and satisfy most regulatory quality control requirements for intrinsic resolution. By checking the gamma camera's resolution on a routine basis with either of these phantoms, it will be possible to make quick adjustments to insure the consistent quality of the images being taken from the data that is collected.

### Specifications

Part Numbers: 99-9423

**Bar Phantom** available in Extra Large size only

SIZE: 68.6 x 48.3 x 1.3 cm (27 x 19 x 0.5 in.)

WEIGHT: 11.3 kg (25 lb)

#### Pattern Specifications:

Four sets of lead bars embedded in the 68.6 x 43.2 cm (27 x 17 in.) effective area.

Bar Pattern (lead bar) sizes:

2.5 mm (0.1 in.); 3 mm (0.12 in.); 3.5 mm (0.14 in.); and 4.0 mm (0.16 in.)

#### Cleaning Instructions:

As needed, wipe down with a damp rag and mild detergent.

If contaminated, use DeCon Gel (part # 03-5648) or similar solution.

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

March 2019