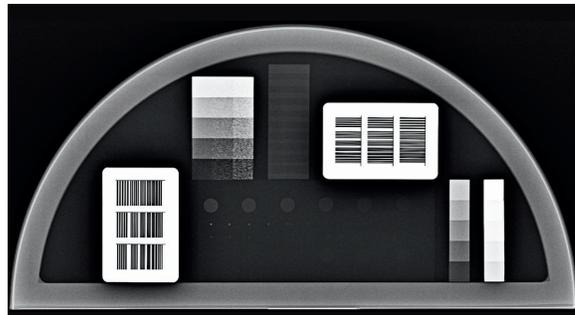


RSD

Radiology Support Devices, Inc.

Mammo/Tomo 1-Shot+



MEASUREMENT & QC TOOLS FOR MAMMOGRAPHY AND TOMOSYNTHESIS SYSTEMS

The Mammo/Tomo 1-Shot+ is an easy-to-use, comprehensive tool for routine evaluation of mammography systems. Monitor image quality by analyzing greyscale, contrast details, and line patterns. It is essential for ensuring consistent imaging performance in both 2D and 3D mammography, maintaining high diagnostic standards for breast imaging.

Standards Compliance

IEC 61223-3-2: Evaluation and routine testing in medical imaging departments - Part 3-2: Acceptance tests - Imaging performance of mammographic X-ray equipment

Specifications

- Dimensions: 240 mm Diameter (Semi-Circle) x 10 mm
- Six PMMA Plates: 240 mm Diameter (Semi-Circle) x 10 mm
- Two PMMA Plates: 240 mm Diameter (Semi-Circle) x 5 mm

Accessories

- Comprehensive Product Manual
- Sturdy Carrying Case

Model Number

QA-MAM070: Mammo/Tomo 1-Shot+

Product Features & Benefits

Mammography and Tomosynthesis Support:

Comprehensive image quality testing, particularly in advanced modalities like tomosynthesis and full-field digital mammography (FFDM), ensuring optimal system performance across multiple imaging dimensions

Brightness and Contrast Adjustment: Assess system calibration and optimize image quality

Imaging Contrast: Low-contrast resolution: 1.8 to 5.0 line pairs/mm; High-contrast resolution: 1.0 to 20.0 line pairs/mm

Greyscale and Sensitometric Measurements: Evaluate tonal consistency and sensitivity

Resolution Limits: Test system capability across a wide range of line pairs (1.0 to 20.0)

Detail Detectability: Low-contrast: 12 details with diameter of 5.6 mm; High-contrast: 11 details ranging from 0.25 to 0.5 mm

Micro-Calcifications Simulation: Realistic replication of sizes 125, 225, and 325 microns

Homogeneity: Ensure even image quality across FOV

Free Area for Signal Calibration: Provides flexibility for system adjustments and testing



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