



464 ACR CT Accreditation Phantom



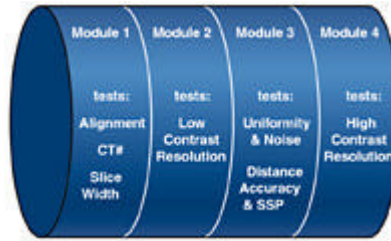
The optional phantom base (shown above with the phantom) provides stability, makes alignment easier and features built-in leveling devices.

One tool for all routine CT Scanner QA checks.

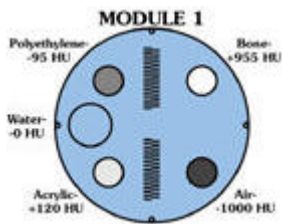
The 464 ACR CT Phantom is designed to be an integral part of the American College of Radiology (ACR) CT Accreditation Program. This voluntary program provides physicians with an opportunity for a comprehensive peer review of their CT facility, personnel qualifications, image quality and quality assurance programs. CT accreditation encourages patient's confidence and demonstrates your commitment to quality health care to payers, regulatory agencies and employers.

The ACR CT Accreditation Phantom can be used for initial QA assessment and routine monthly QA testing to help ensure your patients are receiving the lowest possible CT dose. Solid Water® construction makes for a convenient, physically stable test device that provides reproducible results over time. The phantom consists of four modules designed to examine a broad range of scanner parameters. It features white scribed markings on the axial, coronal and sagittal axis, and HEAD, FOOT and TOP markings to ensure proper alignment.

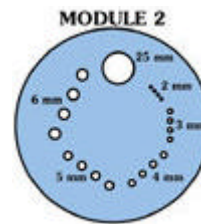
Module layout of the Gammex ACR CT Accreditation Phantom



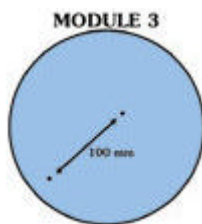
Phantom Module Schematics



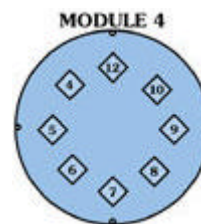
Positioning and alignment, CT number accuracy and slice thickness.



Low contrast resolution. Features a series of cylinders with different diameters, all at 0.6% (6 HU) difference from the background material.



CT number uniformity assessment. Includes two small targets for testing in-plane distance measurement accuracy.



High contrast (spatial) resolution. Contains eight high contrast resolution patterns of 4, 5, 6, 7, 8, 9, 10, and 12 line pairs per cm.

