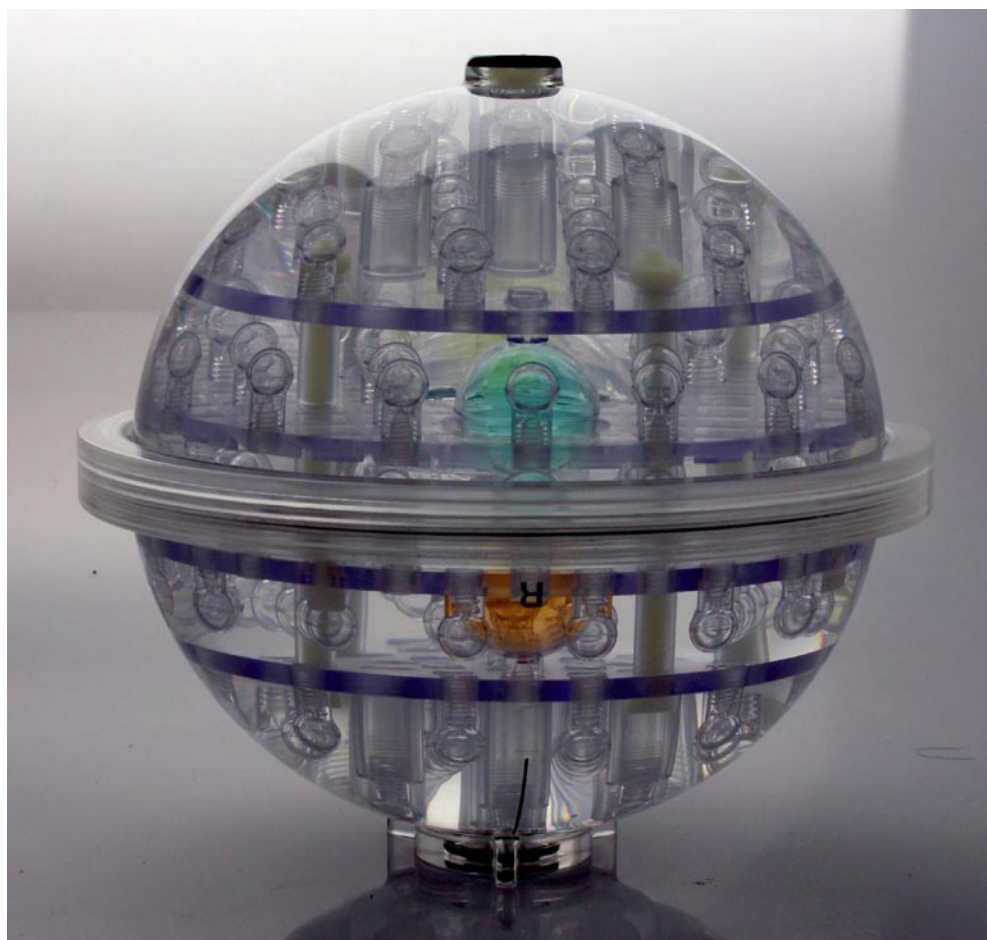


part number
EMR051

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Magphan® Quantitative Imaging Phantom

The Magphan® Quantitative Imaging Phantom, commonly known as the ADNI phantom, is used for detailed measurements of volume distortion. The phantom's reference spheres are spread throughout its 20cm ID housing. The company, Image Owl Inc., offers a software service that analyzes the phantom images. The software precisely measures, maps and documents the volume stability or distortion. This analysis service is purchased separately from the phantom.

The Magphan® Quantitative Imaging Phantom contains a total of 165 spheres made from polycarbonate plastic. These spheres are filled with copper sulfate and water solutions. The spheres are mounted on a series of polycarbonate plates and posts to maintain their fixed positions inside the phantom. The phantom includes one 6cm diameter sphere, four 3cm diameter spheres, two 1.5cm diameter spheres and one hundred fifty-eight 1cm spheres.

The 20cm ID housing is cast from a clear urethane material. The two halves of the sphere are sealed together with a threaded flange ring. The ring can be unthreaded if there is need to access the phantom's interior.



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