

Micro-CT Low Contrast V2 Phantom

The QRM-MicroCT-LC V2 Phantom can be used to evaluate the low contrast detectability of a micro-CT system.

The MicroCT Low Contrast Phantom is a cylindrical phantom that houses multiple small details (cylindrical inserts) at a specified contrast to background ratio. It allows the estimation of the low-contrast capabilities of micro-CT scanners.

The phantom provides three low contrast levels at -3%, -6% and -9% relative to background. To estimate the low contrast detectability of a system the inserts are also provided in three different diameters, 1mm, 2mm and 3 mm respectively.

Specifications

Base material resin

Low contrast inserts:

diameter 1, 2 and 3 mm

approx. contrast -3 % / -6 % / -9%

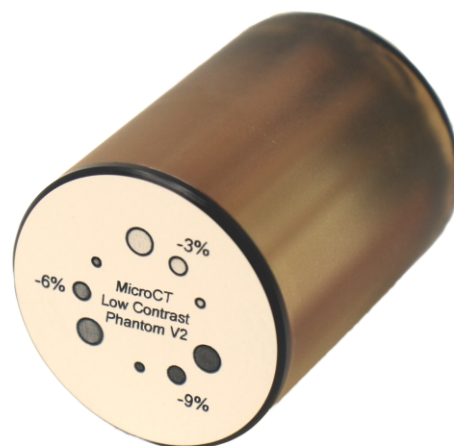
Dimensions for mouse-size phantom:

diameter 32 mm

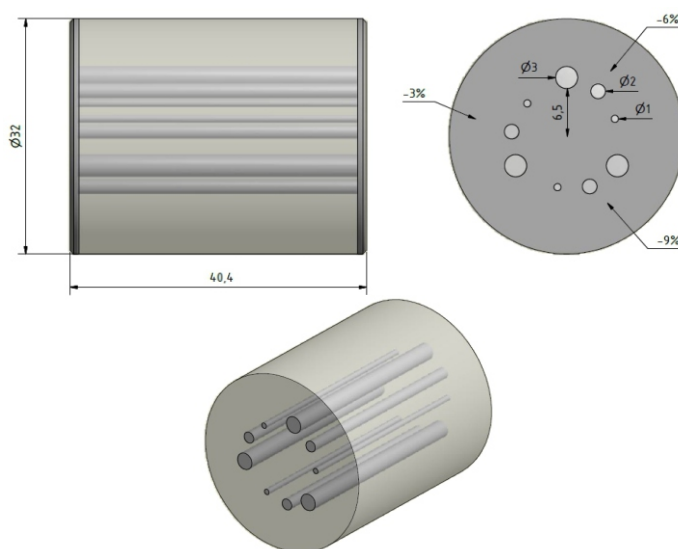
length 40 mm

weight 35 g

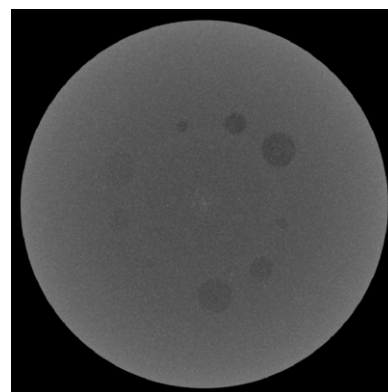
Other dimensions and contrast steps upon request: info@qrm.de



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Schematic drawing of the Phantom



*Max. Intensity Projection (MIP)
of a micro-CT scan*